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Water Resources Data for Mississippi, Water Year 1984

(U.S.) Geological Survey, Jackson, MS

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U.S. DEPARTMENT OF THE INTERIOR
March 3, 1849

Water Resources Data Mississippi

Water Year 1984

14

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-84-1

Prepared in cooperation with the Mississippi Department of Natural Resources and with other State, county, municipal and Federal agencies

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CALENDAR FOR WATER YEAR 1984

1983

OCTOBER

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1984

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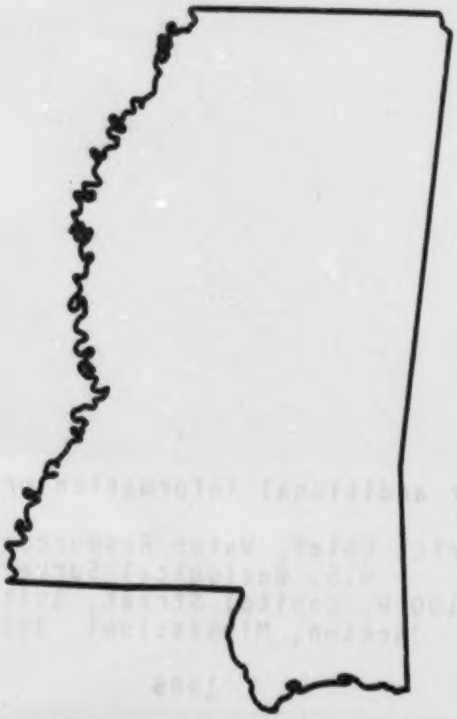
U.S. DEPARTMENT OF THE INTERIOR March 3, 1849

Water Resources Data Mississippi Water Year 1984

by E.J. Tharpe, F. Morris III, and W.T. Oakley



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-84-1

Prepared in cooperation with the Mississippi Department of Natural Resources and with other State, county, municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

PREFACE

This volume of the annual hydrologic data report of Mississippi is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsiblity for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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The report

16. Abstract (Limit: 200 words)

Water resources data for the 1984 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 67 gaging stations; stage records for 18 of these gaging stations; stage only at 5 gaging stations; water quality for 23 stations, 2 precipitation-quality stations, and 94 wells; and water levels for 315 observation wells. Also included are peak-discharge data for 89 crest-stage partial-record stations and water-quality data at 66 partial-record or miscellaneous sites. Locations of these sites are shown on Figures 3-5. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

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WATER RESOURCES DATA FOR MISSISSIPPI, 1984

INTRODUCTION

Water resources data for the 1984 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 67 gaging stations; stage records for 18 of these gaging stations; stage only at 5 gaging stations; water quality for 23 stations, 2 precipitation quality stations, and 94 water wells; and water levels for 315 observation wells. Also included are peak-discharge data for 89 crest-stage partial-record stations and water-quality data at 66 partial record or miscellaneous sites. Locations of these sites are shown on Figures 3-5. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State, local, and Federal agencies in Mississippi.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Distribution Branch, Text Products Section, U.S. Geological Survey, 604 South Pickett Street, Alexandria, Virginia 22304.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report MS-84-1." These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices for ordering specific reports, may be obtained from the District Chief at the address given on the back of the title page or by telephone (601) 965-4600.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, for ground-water levels since 1939, and for water-quality records since 1964. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Natural Resources,
Charlie L. Blalock, Executive Director.

Bureau of Land and Water Resources,
Charles T. Branch, Director.

Bureau of Pollution Control,
Charles H. Chisolm, Director.

Bureau of Geology,
Alvin R. Bicker, Director.

Mississippi State Highway Department,
John R. Tabb, Director.

Pat Harrison Waterway District,
Albert L. Gerrard, Jr., Executive Director.

Pearl River Valley Water Supply District,
Joe D. Brown, President.

Harrison County Board of Supervisors,
Ernest C. Melvin, President.

Harrison County Development Commission,
Tommy Munro, President.

Jackson County Board of Supervisors,
J.C. May, President.

Jackson County Port Authority,
Paul Pella, Port Director.

City of Jackson,
Dale Danks, Jr., Mayor.

City of Laurel,
Henry Bucklew, Mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 50 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Streamflow in Mississippi was normal throughout most of the 1984 water year. Above normal runoff occurred at one or more of three representative gaging stations in November, December, January, May and August and below normal runoff occurred at only one station in July and September. There were no extreme floods at any sites in the state and although the summer and fall were dry there were no severe drought conditions recorded at any sites. Comparisons of monthly and annual streamflow (discharge) with the monthly and annual medians for the reference period of 1951-80 are shown for three representative gaging stations on major streams in figure 2. The gaging stations are: Tombigbee River at Columbus Lock and Dam near Columbus, which drains northeastern Mississippi, Big Black River at Bovina, which drains central Mississippi, and Pascagoula River at Merrill, which drains southeastern Mississippi.

Runoff of the Tombigbee River at Columbus Lock and Dam near Columbus was 27.36 in. for the water year which is 145 percent of the median annual runoff of 18.89 in. for the reference period 1951-80. Above normal discharge was recorded in November, December and May when the monthly mean discharges were 331, 525 and 266 percent of the respective median monthly discharges for the reference period. Below normal discharge was recorded in July and September when the monthly mean discharges were 57 and 38 percent of the respective median monthly discharges for the reference perod.

Runoff of the Big Black River at Bovina was 20.71 in. for the water year which is 129 percent of the median annual runoff of 16.04 in. for the reference period 1951-80. Above normal discharge was recorded in November and December when the monthly mean discharges were 586 and 407 percent of the respective median monthly discharges for the reference period. All other monthly mean discharges were within the normal range.

Runoff of the Pascagoula River at Merrill was 19.88 in. for the water year which is 103 percent of the median annual runoff of 19.37 in. for the reference period 1951-80. Above normal discharge was recorded in November, December, January and August when the monthly mean discharges were 227, 226, 168 and 160 percent of the respective median monthly discharges for the reference period. All other monthly mean discharges were within the normal range.

Ground-Water Levels

Ground-water levels in artesian aquifers statewide continue long-term declining trends following seasonal water-level recoveries during the early part of the year.

Generally, in wells screened in the Miocene aquifers in southern Mississippi, water levels declined about 1 ft. In wells screened in the Graham Ferry Formation along the gulf coast, water levels declined less than 2 ft. In the shallow Citronelle aquifer in southern Mississippi, water levels were slightly higher at all reporting stations.

In central Mississippi, water levels in the Cockfield Formation, Sparta Sand, and Meridian-upper Wilcox aquifer reflected declines of 0.5 to 2 ft in most areas. Water levels in wells used primarily for domestic purposes screened in the Vicksburg Group and Forest Hill Sand declined less than 1 ft.

In northeastern Mississippi, water levels in the Eutaw-McShan aquifer and Tuscaloosa aquifer system generally declined less than 2 ft. However, in the heavily pumped Tupelo area in Lee County, water levels declined in excess of 2 ft, establishing record low levels at a number of wells.

Water levels in the Sparta aquifer system, Winona-Tallahatta Formation, and lower Wilcox aquifers in northwestern Mississippi showed declines that generally were less than 1 ft but exceeded that in some wells affected by pumping..

Water levels in the Mississippi River valley alluvial aquifer in northwestern Mississippi declined about 1 to 2 ft throughout much of the northern part of the area commonly known as the Delta. Where irrigation and fish farming place large demands on ground water from the shallow alluvial aquifer in the northern part of the Delta, declines in excess of 2 ft. were recorded and record low-water levels were measured at some sites. Normal seasonal variations in water levels were recorded in the southern part of the Delta.

Streamflow Quality

Mississippi streams provide an abundant supply of water that is suitable for many purposes. For the most part, the surface waters are not extensively polluted with manmade wastes. Local stream pollution does occur in some areas of agricultural chemical use, near large urban areas, and along the industrialized gulf coast; however, these areas are not extensive.

With the exception of the Mississippi River, where in the 1984 water year, measured dissolved-solids concentrations ranged from 203 to 349 mg/L, dissolved-solids concentrations of most streams in Mississippi generally were less than 100 mg/L. Ranges of measured dissolved-solids concentrations (in milligrams per liter) in selected streams are given in the following table:

Dissolved-solids concentrations, in mg/L

	Minimum	Maximum
Pascagoula River near Benndale	30	53
Wolf River near Landon	34	42
Yazoo River at Redwood	43	85
Big Black River near Bovina	36	139
Homochitto River at Rosetta	60	64

In general, the dissolved-solids concentration of water in the Yazoo River increased downstream from Shell Bluff to Redwood. The dissolved-solids concentration, as reflected by the specific conductance measurements along the main stem of Tombigbee River, generally increased downstream from Fulton to Columbus. The measured specific conductance of the water in Tombigbee River ranged from 83 to 98 micromhos/cm at Fulton and from 89 to 144 micromhos/cm at Columbus.

The suspended-sediment concentrations measured in streams in Mississippi ranged from less than 50 mg/L during periods of low flow to more than 1,000 mg/L during high flow. Concentrations of suspended sediment were generally higher in the western part of the state, particularly in the Yazoo River basin in the Mississippi "Delta", than in the more heavily forested eastern part of the State. Lower maximum suspended-sediment concentrations were observed in the southeastern part of the State. The following table shows ranges of measured suspended-sediment concentrations (in milligrams per liter) in selected streams.

Suspended-sediment concentrations, in mg/L

	Minimum	Maximum
Pascagoula River near Benndale	15	103
Yazoo River at Shell Bluff	145	394
Yazoo River at Redwood	92	361
Big Black River at Bovina	28	210
Homochitto River near Rosetta	6	134

Dissolved-oxygen concentrations measured in streams were lowest during the summer months when stream temperatures were highest and flow velocities tend to be lowest. The dissolved-oxygen concentrations were generally greater than 5.0 mg/L. Ranges of measured dissolved-oxygen concentrations in milligrams per liter in selected streams are shown in the following table:

Dissolved-oxygen concentration, in mg/L

	Minimum	Maximum
Tombigbee River near Columbus	8.3	12.0
Pascagoula River near Benndale	7.2	9.8
Wolf River near Landon	8.5	11.0
Yazoo River at Redwood	5.4	11.2
Big Black River near Bovina	6.6	8.8
Homochitto River at Rosetta	7.3	9.3

Determinations of pH at index stations indicate that the water of most streams was slightly acidic at times and that the pH generally was lowest in the southern part of the State. The pH of the water ranged from 6.2 to 8.1 units in the Yazoo River and from 5.4 to 7.9 units in the Tombigbee River. In the southern part of the State, the pH of the water in Wolf River near Landon and Pascagoula River near Benndale ranged from 5.1 to 6.9 units and 5.2 to 6.5 units, respectively.

Precipitation Quality

At the National Space and Technology Laboratory near Bay St. Louis on the Mississippi Gulf Coast, the specific conductance of precipitation samples ranged from 6 to 71 micromhos/cm. Further inland at the site near Janice in Perry County, the specific conductance ranged from 6 to 49 micromhos/cm. The dissolved minerals in the precipitation at both sites are those that are commonly found in the geohydrologic environment. Of the common constituents, sulfate generally was present in highest concentrations.

Chemical analysis of atmospheric precipitation at two sites in southern Mississippi indicate that, as in other parts of the country, the quality of precipitation is affected by airborne chemical substances. The pH was affected to some degree by substances containing and producing oxides of sulfur and nitrogen but to a lesser extent than precipitation in the more heavily industralized sections of the country. At the site near Bay St. Louis the pH of precipitation ranged from 3.7 to 6.1 units and had a median pH value of 4.5 units. Near Janice the pH ranged from 3.8 to 6.3 units and had a median value of 4.8 units. At both sites pH values usually were lower than 5.0 units which is considered to be a minimum for precipitation in areas unaffected by industrial emissions. However, pH values usually were higher (less acidic) than those reported in some states in the northeastern part of the country (U.S. Geological Survey Water-Supply Paper 2250, 1984, page 61).

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C+ 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is fair-weather flow sustained by ground-water discharge.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, used for the decomposition of organic matter by microorganisms, such as bacteria.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll *a* and *b* are the two most common green pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 um membrane filter. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure, and temperature and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaportaion" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic Unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, ug/L) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analyses
Clay.	0.00024 - 0.004	Sedimentation.
Silt.	.004 - .062	Sedimentation.
Sand.	.062 - 2.0	Sedimentation or sieve.
Gravel.	2.0 - 64.0	Sieve.

The particle-size distribution given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native-water analysis.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organonochlorine insecticides.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the word "total" does double duty here, indicating that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total, in bottom material, is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Total, recoverable, is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample.

Turbidity of water is the reduction of transparency due to the presence of suspended particulate matter. The unit of measure is the nephelometric turbidity unit (NTU) and is a measure of light scatter of a beam of light passed through a sample of water.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1985, is called the "1985 water year."

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1 below.

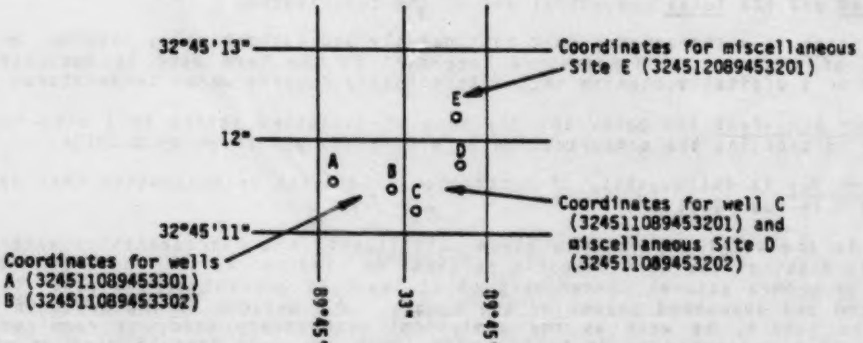

32°45'13"
Coordinates for miscellaneous Site E (324512089453201)
E
12"
D
A
B
C
Coordinates for well C (324511089453201) and miscellaneous Site D (324511089453202)
32°45'11"
Coordinates for wells A (324511089453301) B (324511089453302)
89°45'34"
33"
89°45'32"

Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORK AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale; 02481510, Wolf River near Landon; 07287120, Yazoo River near Shell Bluff; 07288800, Yazoo River at Redwood; 07289000, Mississippi River at Vicksburg; 07290000, Big Black River near Bovina; and 07292500, Homochitto River at Rosetta, have been designated as NASQAN stations.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subseqent records, discharge measurements, weather records, and comparison with stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily, monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use, the datum of the present gage referred to National Geodetic Vertical Datum, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man or, in general, where the peak discharge are within 5 percent of the daily mean discharge. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/s to whole numbers between 10 and 1,000 ft^3/s; to 3 significant figures between 1,000 and 1,000,000 ft^3/s and to 4 significant figures above 1,000,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 6 sites during the water year by the following agencies: Records of daily discharge were collected at 5 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 9 sites by the Corps of Engineers, U.S. Army. Records of stage, with periodic discharge observations at approximately 40 additional sites, and records of stage and contents at 4 reservoirs were also collected by the Corps of Engineers. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling and/or other pertinent data are given in the table containing the chemical analysis of the ground water.

Numerical codes have been assigned for agencies collecting and/or analyzing samples. A numerical code will not be given in a water-quality table when the collecting and analyzing agency is the U.S. Geological Survey. The agency codes that may be given in this report are as follows:

810	Corps of Engineers, U.S. Army
1028	U.S. Geological Survey
1053	National Park Service
9728	Mississippi State Board of Health
28001	Mississippi Bureau of Pollution Control
28002	Mississippi Bureau of Geology
80010	U.S. Geological Survey, National Water-Quality Laboratory, Doraville, Georgia
80020	U.S. Geological Survey, National Water-Quality Laboratory, Denver, Colorado

Numerical codes have been assigned to describe the source of the sample and the conditions under which it was collected. A numerical code will not be given in a water-quality table except to describe unusual conditions. The codes that may be given in this report are as follows:

	Sample Source
1	Well Head
5	Flow Line
26	Pump
27	Tap near Well
28	Tap away from Well
30	Pressure Tank
31	Discharge Pipe
33	Bailer
1001	Wet Deposition
1003	Landfill
1004	Cast Overburden
1006	Landfill Seep

	Sampling Condition
0.11	Pumped recently
0.12	Nearby Site Tapping same aquifer being pumped
4	Flowing
8	Pumping
10	Open Hole
15	Bailing
26	Production and development test
30	Seeping

REVISIONS--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

Water analysis

Most methods for collection and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory. Some bacterial values are preceded by the symbol "K." The symbol "K" replaces the symbol "B" used in data reports prior to 1978. The symbol denotes that the value given is based on a colony count outside the acceptable range (nonideal colony count).

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diel temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude, and (2) a local number that is provided for local needs. See figure 1.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum of 1929 (NGVD) or land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

ACCESS TO WATSTORE DATA

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.

2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.

2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.

3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.

3-A9. *Measurement of time of travel and dispersion in streams by dye tracing*, by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.

3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.

3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.

4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.

4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.

4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.

5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.

5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.

5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.

7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.

7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages

8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

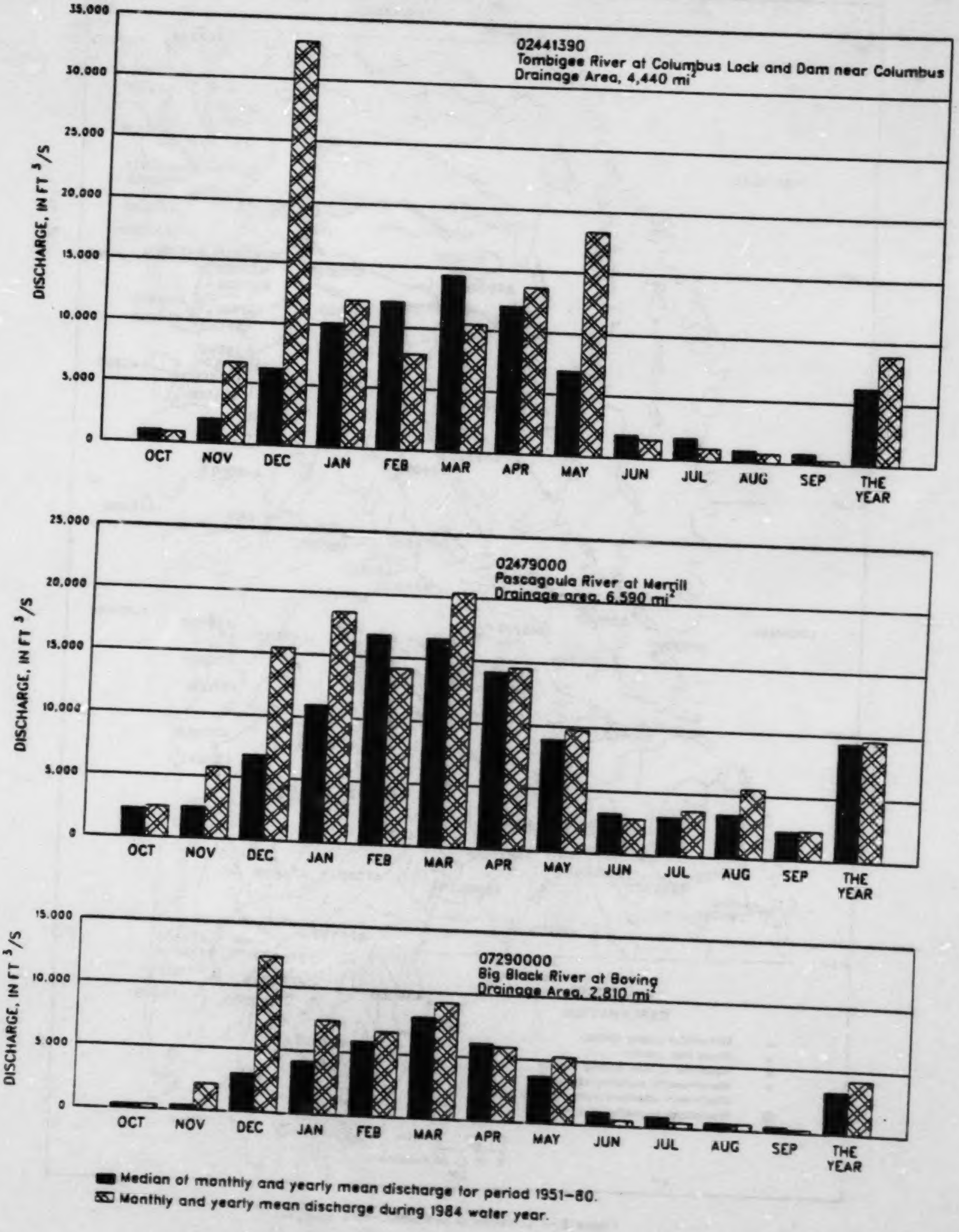


FIGURE 2.––Discharge during 1984 water year compared with median discharge for period 1951–80 for three representative gaging stations

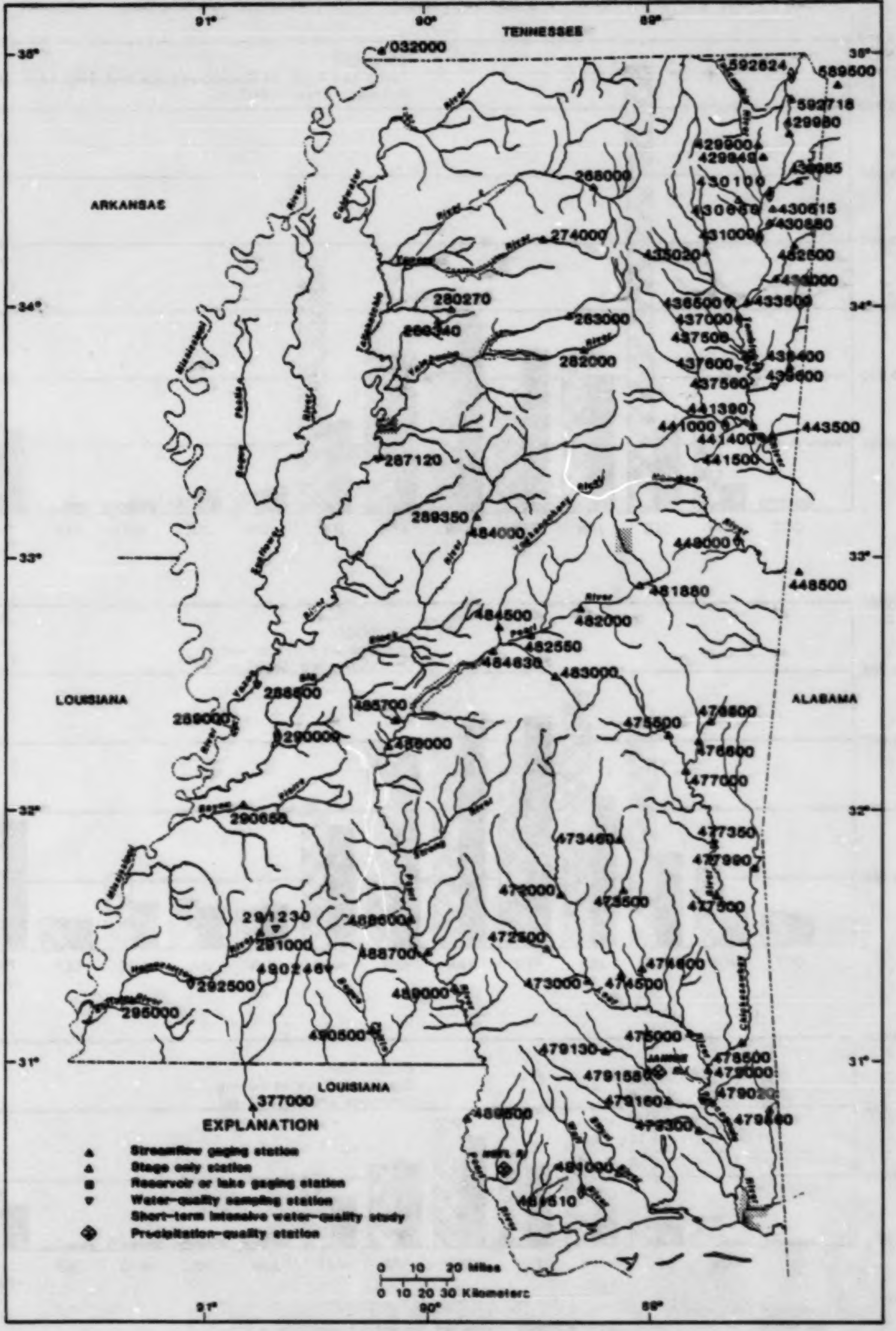
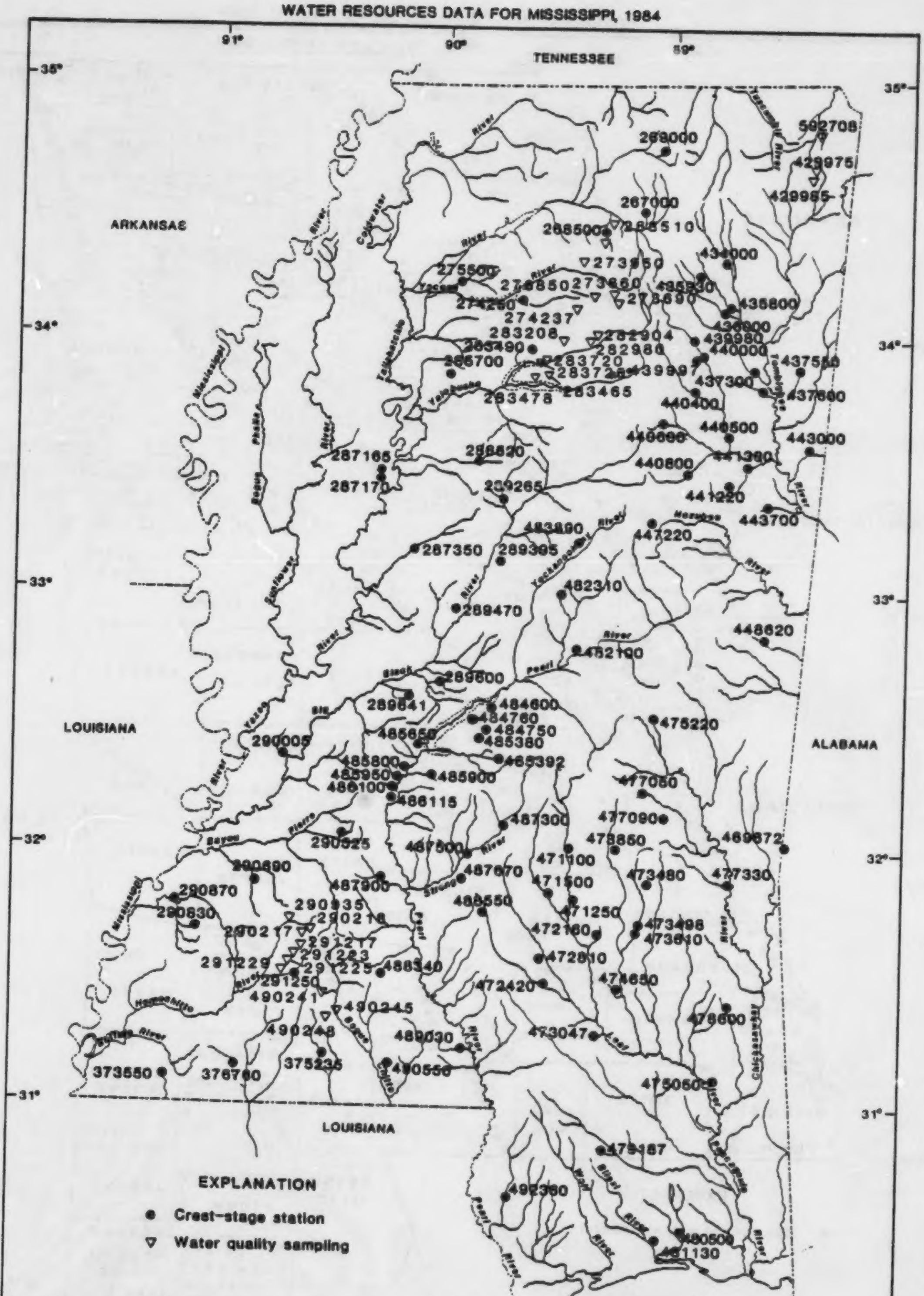

91°
90°
89°
35°
34°
33°
32°
31°
TENNESSEE
ARKANSAS
LOUISIANA
ALABAMA
032000
592624
589500
592718
429980
429900
429949
430100
430665
430615
430680
431000
433020
432500
268000
274000
280270
283000
282000
436500
433500
437000
437500
437600
438400
437560
439600
441390
441000
441400
443500
441500
287120
289350
484000
449000
448500
481880
484500
482000
482550
484630
483000
288600
289000
485700
290000
486000
475500
476600
477000
290655
473460
477350
477990
472000
473500
477500
291230
291000
488600
488700
490246
472500
474600
473000
474500
292500
295000
489000
490500
475000
479130
479155
478500
479000
479020
479160
479300
479440
377000
481000
481510
EXPLANATION
Streamflow gaging station
Stage only station
Reservoir or lake gaging station
Water-quality sampling station
Short-term intensive water-quality study
Precipitation-quality station
0 10 20 Miles
0 10 20 30 Kilometers

Figure 3.-- Location of hydrologic-data stations.


91°
90°
89°
35°
34°
33°
32°
31°
TENNESSEE
ARKANSAS
LOUISIANA
ALABAMA
Mississippi
Coldwater
Tallahatchie
Yazoo
Yalobusha
Big Black
Pearl
Strong
Bayou Pierre
Homochitto
Buffalo River
Leaf
Chickasawhay
Pascagoula
Tombigbee
Noxubee
Tennessee
Yockanookany
Sunflower
Deer
592708
429975
429985
268000
267000
268500
268510
273950
434000
275500
273850
273860
435930
274250
273690
435800
274237
436000
283208
282904
439980
283490
282980
440000
285700
283720
283728
439997
437550
437300
283465
437600
283478
440400
440500
440660
443000
287165
288820
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440800
287170
289265
441220
443700
483890
447220
287350
289395
482310
289470
448620
452100
289600
289641
484600
484760
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484750
290005
485650
485380
485392
485800
485950
485900
486100
477050
486115
487300
477090
290525
487500
473850
469872
471100
290690
487670
473480
477330
290870
471500
487900
290935
486550
290630
471250
290218
473498
290217
472160
473610
291217
291223
291229
472810
488340
291225
291250
474650
490241
472420
490245
476600
490248
489030
473047
375235
490550
373550
376760
475050
475187
492380
480500
481130
EXPLANATION
● Crest-stage station
▽ Water quality sampling
0 10 20 Miles
0 10 20 30 Kilometers

Figure 4.-- Location of partial-record stations

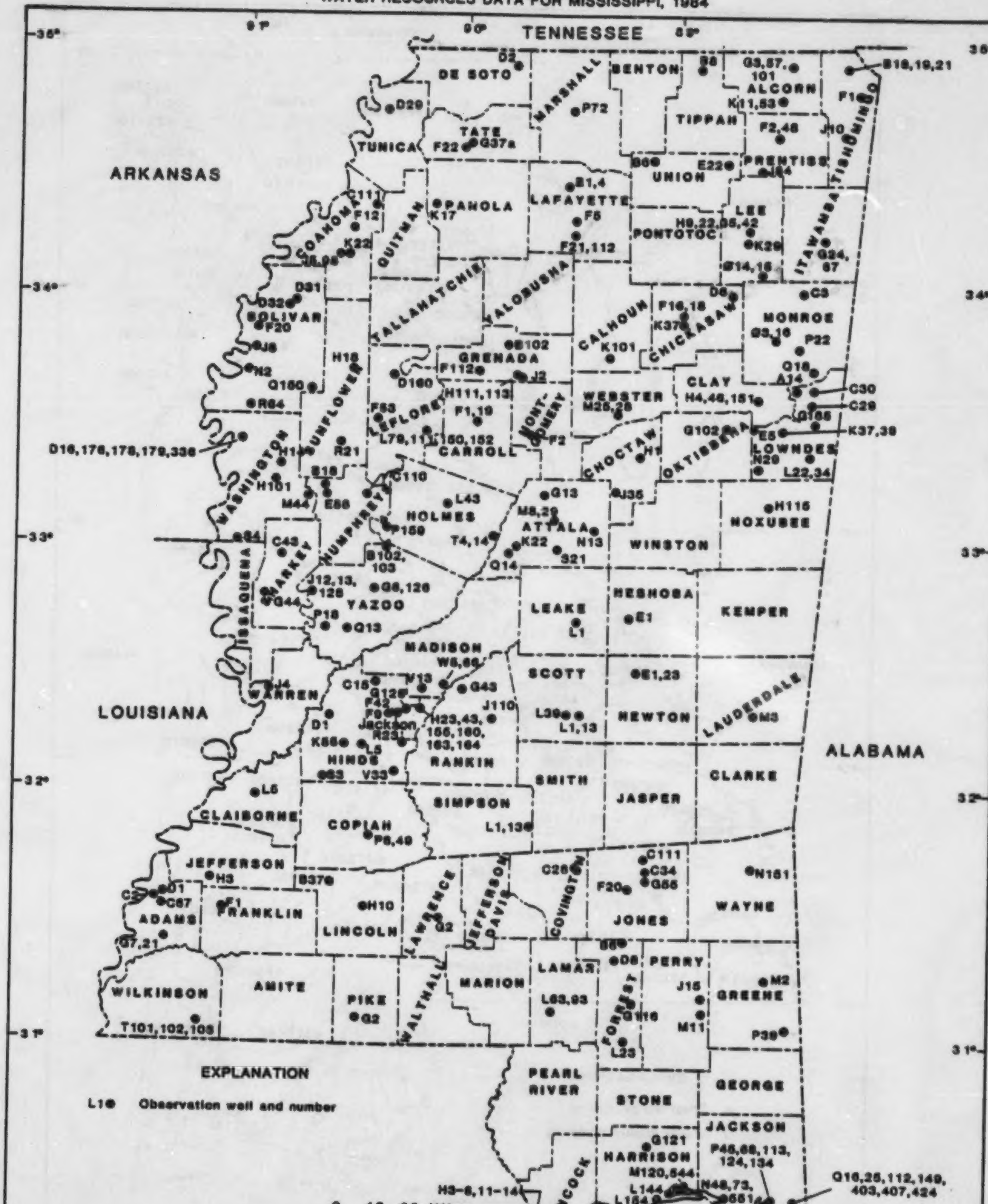
35°
91°
90°
89°
34°
33°
32°
31°
TENNESSEE
ARKANSAS
LOUISIANA
ALABAMA
DE SOTO
D2
D29
TUNICA
TATE
F22
G37a
MARSHALL
P72
BENTON
B8
G3,57,101
ALCORN
B18,19,21
K11,53
F16
TIPPAH
F2,48
J10
PRENTISS
B6
UNION
E22
E1,4
LAFAYETTE
F5
F21,112
PANOLA
K17
QUITMAN
COAHOMA
C11
F12
K22
LEE
H9,22,35,42
K26
PONTOTOC
G14,15
G24,67
ITAWAMBA
TISHOMINGO
D31
D32
BOLIVAR
F20
J6
N2
TALLAHATCHIE
YALOBUSHA
CALHOUN
F16,18
K37
CHICKASAW
D6
C3
MONROE
G3,16
P22
E102
GRENADA
K101
H16
F112
J2
Q160
D160
SUNFLOWER
LEFLORE
H111,113
F1,19
MONTGOMERY
WEBSTER
M25,26
CLAY
H4,46,151
Q16
A14
C30
C29
G155
R64
F53
L79,111
150,152
CARROLL
F2
G102
OKTIBBEHA
E5
K37,38
LOWNDES
N29
L22,34
D16,176,178,179,336
WASHINGTON
H13
R21
H101
B18
C110
CHOCTAW
H1
M44
E88
HUMPHREYS
HOLMES
L43
G13
M8,29
J35
ATTALA
H115
NOXUBEE
G4
SHARKEY
C43
P159
T4,14
K22
N13
WINSTON
B102,103
Q14
S21
ISSAQUENA
J12,13,126
G8,126
YAZOO
G44
P18
Q13
LEAKE
L1
NESHOBA
E1
KEMPER
MADISON
W5,66
J4
WARREN
C15
G126
V13
G43
SCOTT
E1,23
F42
F9
J110
L39
L1,13
NEWTON
LAUDERDALE
M3
D1
Jackson
R23
H23,43,155,160,163,164
K56
L5
HINDS
RANKIN
G63
V33
SMITH
JASPER
CLARKE
L5
CLAIBORNE
SIMPSON
COPIAH
P8,40
L1,13
JEFFERSON
H3
B37
C26
COVINGTON
C111
C34
G55
F20
N151
C2
G1
C67
ADAMS
F1
FRANKLIN
H10
LINCOLN
LAWRENCE
JEFFERSON DAVIS
JONES
WAYNE
G2
G7,21
B8
D8
PERRY
LAMAR
M2
WILKINSON
AMITE
PIKE
MARION
WALTHALL
J15
GREENE
L63,93
G116
FORREST
M11
G2
P38
T101,102,105
L23
PEARL RIVER
STONE
GEORGE
JACKSON
G121
HARRISON
P48,68,113,124,134
M120,544
L144
N48,73
L154
G551
G16,25,112,149,403,407,424
H3-8,11-14
HANCOCK
N3
K1,4
EXPLANATION
L1● Observation well and number
0 10 20 Miles
0 10 20 30 Kilometers

Figure 5.—Location of observation wells in Mississippi.

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 88°26'42", SW¼NE¼ sec.27, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank, near downstream side of bridge on county highway, 0.4 mi downstream from State Highway 30, 2.0 mi upstream from Martin Creek, 7.3 mi east of Booneville, and 13.7 mi upstream from mouth.

DRAINAGE AREA.--27.1 mi2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 1958-60, 1972; annual maximum stages, water years 1951-60, and annual maximum discharge, water years 1961-73. June 1973 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft National Geodetic Vertical Datum of 1929 (Tennessee Valley Authority bench mark). Prior to June 1973, crest-stage gage at site 0.4 mi upstream at different datum.

REMARKS.--Records poor. Doubtful or no gage height record Oct. 1-Nov. 22, Mar. 29-Apr. 4, Apr. 7-9, Apr. 29-May 8.

AVERAGE DISCHARGE.--11 years, 53.1 ft3/s, 26.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft^3/s Apr. 17, 1970, gage height, 99.97 ft, site and datum then in use; minimum, 0.16 ft^3/s, Sept. 2, 3, 4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 3	1715	*2360	19.81	Apr. 28	1230	2150	19.26

Minimum discharge, 0.42 ft^3/s, Sept. 25, 27, 29 and 30, gage height, 2.9 ft^3/s.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.72	1.8	14	49	34	46	35	80	12	2.4	1.9	.99
2	.70	1.8	62	48	33	42	36	300	10	2.2	2.0	.89
3	.69	2.7	1700	44	54	38	171	840	8.7	1.9	2.2	.88
4	.67	15	494	42	41	38	67	340	7.8	1.8	5.8	.87
5	.68	16	128	40	35	108	52	125	6.8	3.0	8.2	.85
6	.68	14	137	39	29	87	45	71	6.0	5.5	3.5	.69
7	.65	15	77	34	29	57	34	102	6.0	7.2	2.8	.58
8	.63	15	63	32	29	49	32	505	6.0	18	2.3	.57
9	.63	16	54	32	30	42	61	284	5.1	4.6	2.1	.56
10	.62	18	51	183	70	41	45	224	4.6	3.4	2.2	2.0
11	1.0	21	117	93	48	39	40	185	4.1	2.7	2.2	2.4
12	3.4	19	69	64	82	41	36	133	3.9	2.4	1.8	1.3
13	25	17	57	55	107	58	34	70	3.6	2.2	1.5	.98
14	4.5	18	136	47	64	42	30	46	3.4	2.1	1.4	.84
15	3.0	44	68	46	48	38	29	38	4.0	1.9	1.8	.70
16	3.7	16	52	45	52	35	30	33	3.6	1.9	1.8	.61
17	5.9	14	50	40	43	81	32	29	3.3	26	2.3	.55
18	2.2	16	49	53	39	64	27	25	2.8	18	1.7	.56
19	2.0	16	43	38	38	51	30	23	2.5	3.8	1.4	.48
20	1.9	68	40	35	34	59	33	25	3.1	2.8	1.3	.49
21	1.8	31	45	37	33	47	35	34	3.4	2.3	1.2	.50
22	8.8	11	83	37	32	39	744	24	12	2.1	1.1	.48
23	7.3	387	52	57	37	36	169	22	7.4	1.8	1.1	.47
24	2.9	74	34	137	31	46	112	16	8.7	1.8	1.0	.44
25	2.7	28	28	69	27	46	57	13	4.2	2.1	.90	.44
26	2.5	20	26	54	29	38	50	15	3.3	2.0	.89	.44
27	2.3	59	46	49	192	38	58	21	2.9	5.3	.88	.43
28	2.2	47	347	45	71	189	916	79	2.7	4.2	.87	.44
29	2.1	24	103	42	52	92	312	23	3.0	2.6	2.0	.43
30	2.0	18	54	38	---	51	160	17	2.9	2.1	1.3	.49
31	1.9	---	48	34	---	39	---	14	---	2.0	1.2	---
TOTAL	95.77	1063.3	4327	1658	1443	1717	3512	3756	157.8	142.1	62.64	22.35
MEAN	3.09	35.4	140	53.5	49.8	55.4	117	121	5.26	4.58	2.02	.75
MAX	25	387	1700	183	192	189	916	840	12	26	8.2	2.4
MIN	.62	1.8	14	32	27	35	27	13	2.5	1.8	.87	.43
CFSM	.11	1.31	5.17	1.97	1.84	2.04	4.32	4.47	.19	.17	.08	.03
IN.	.13	1.46	5.94	2.28	1.98	2.36	4.82	5.16	.22	.20	.09	.03

CAL YR 1983 TOTAL 28555.13 MEAN 78.2 MAX 2000 MIN .57 CFSM 2.89 IN 39.20
WTR YR 1984 TOTAL 17956.96 MEAN 49.1 MAX 1700 MIN .43 CFSM 1.81 IN 24.65

MOBILE RIVER BASIN

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS

LOCATION.--Lat 34°32'14", long 88°24'02", in NW¼ sec.30, T.6 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on right bank at downstream side of bridge on State Highway 4, 1.8 mi southwest of New Site, and 5.2 mi upstream from West Canal Little Brown Creek. Records include flow in West Canal Little Brown Creek.

DRAINAGE AREA.--42.2 mi2 combined drainage area of all channels.

PERIOD OF RECORD.--June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage on main channel is 312.64 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder on West Canal Little Brown Creek, 0.2 mi northwest of base gage.

REMARKS.--Records poor. Doubtful or no gage-height record Oct. 28-Dec. 1 and Dec. 5-Jan. 4 on Little Brown Creek. Discharge computed by combining the flow of individually rated channels.

AVERAGE DISCHARGE.--11 years, 71.4 ft3/s, 23.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,390 ft3/s May 19, 1983, gage height, 14.65 ft; minimum daily, 6.6 ft^3/s Aug. 16, 1981, Oct. 8, 1981 and Sept. 3, 1983.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 3,560 ft3/s, Dec. 3, gage height 13.45 ft, only peak above base of 1,600 ft^3/s; minimum daily discharge, 6.9 ft^3/s Oct. 10.

REVISIONS.--Revised figures of discharge for the water year 1983, superseding those published in the report for 1983 are given herein.

EXTREMES FOR WATER YEAR 1983.--Peak discharges above base of 1,600 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 26	1630	5450	14.14	May 19	Unknown	*8390	14.65
Apr. 6	0045	3750	13.65				

Minimum daily discharge, 6.6 ft3/s Sept. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	7.9	72	108	221	96	90	122	62	20	10	6.9
2	8.4	7.6	53	103	353	75	235	105	49	18	8.8	6.6
3	8.1	17	106	95	125	68	133	559	43	16	11	6.6
4	7.9	12	1030	80	82	64	110	362	75	15	41	7.3
5	7.7	10	289	75	84	581	1430	240	47	13	26	6.9
6	7.4	9.0	140	70	143	816	1930	190	68	16	23	7.1
7	36	8.5	101	64	85	212	576	156	101	12	40	7.3
8	17	8.3	88	65	66	132	641	139	45	18	21	8.2
9	13	7.8	79	101	72	106	318	123	35	16	17	11
10	11	7.4	75	81	610	96	190	108	29	15	15	20
11	11	7.2	590	53	316	88	153	94	36	13	14	12
12	9.9	20	325	43	130	82	146	113	29	13	14	9.4
13	28	15	179	39	87	79	156	94	42	13	18	9.4
14	11	11	133	38	81	75	824	86	33	12	13	8.7
15	10	9.0	644	35	77	73	310	331	33	11	11	8.4
16	9.4	8.7	698	32	68	71	224	185	25	11	9.5	8.6
17	9.2	11	208	31	62	72	160	124	22	12	8.7	8.9
18	8.8	10	124	30	57	84	461	138	19	17	8.2	8.6
19	8.5	11	105	29	54	75	282	4530	22	14	7.8	8.6
20	15	32	94	63	51	162	197	707	24	12	7.7	17
21	11	15	85	386	48	132	168	942	20	13	11	48
22	9.1	12	79	157	262	94	165	719	30	16	9.1	19
23	8.6	23	115	108	157	86	527	264	22	12	8.3	15
24	8.4	14	87	84	107	82	330	145	22	10	7.6	13
25	8.1	10	220	73	89	75	234	105	19	12	7.4	13
26	7.9	9.2	3920	66	72	87	200	115	18	13	8.0	11
27	7.6	25	2110	79	66	113	170	85	33	11	7.6	11
28	7.4	337	989	61	94	85	158	114	24	11	7.5	11
29	7.2	78	311	56	---	82	132	172	21	10	7.2	11
30	8.4	51	180	53	---	79	122	111	27	10	6.8	11
31	8.0	---	133	48	---	79	---	82	---	10	6.6	---
TOTAL	337.6	804.6	13362	2386	3719	4101	10772	11360	1075	415	411.8	350.5
MEAN	10.9	26.8	431	77.0	133	132	359	366	35.8	13.4	13.3	11.7
MAX	36	337	3920	366	610	816	1930	4530	101	20	41	48
MIN	7.2	7.2	53	29	48	64	90	82	18	10	6.6	6.6
CFSM	.26	.64	10.2	1.83	3.15	3.13	8.51	8.67	.85	.32	.32	.28
IN.	.30	.71	11.78	2.10	3.28	3.62	9.50	10.01	.95	.37	.36	.31

CAL YR 1982 TOTAL 27317.6 MEAN 74.8 MAX 3920 MIN 7.2 CFSM 1.77 IN 24.08
WTR YR 1983 TOTAL 49094.5 MEAN 135 MAX 4530 MIN 6.6 CFSM 3.20 IN 43.28

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	22	32	70	41	69	58	112	23	11	9.7	8.4
2	7.9	23	80	56	39	62	60	518	20	11	10	7.9
3	7.5	24	2060	52	57	56	212	984	19	10	11	8.2
4	7.2	31	1650	48	50	53	99	308	18	9.9	11	8.9
5	7.5	35	269	48	42	174	75	143	17	9.7	12	8.4
6	7.4	31	233	47	37	154	64	101	15	14	12	7.9
7	7.0	31	107	43	36	101	56	170	15	12	11	7.7
8	7.0	34	80	41	37	77	54	665	15	18	9.8	7.2
9	7.2	34	64	41	39	65	60	210	15	12	11	7.3
10	6.9	37	60	190	79	60	54	109	14	10	12	11
11	9.5	42	140	137	54	57	49	80	12	9.4	13	14
12	16	40	91	83	89	55	45	66	12	9.9	11	11
13	33	37	69	69	129	87	44	56	12	9.5	9.3	8.6
14	13	39	201	59	81	69	40	48	11	8.9	8.9	7.9
15	9.6	71	97	56	53	60	37	41	12	8.7	9.9	7.7
16	9.3	30	67	55	64	54	38	38	11	8.5	11	7.3
17	16	26	60	51	55	137	40	38	11	21	11	7.4
18	12	31	54	71	48	115	35	33	11	23	8.9	7.3
19	11	34	48	52	47	80	38	30	10	11	8.3	7.2
20	11	101	43	48	41	156	41	30	10	9.9	8.2	7.3
21	14	45	48	47	41	97	38	37	11	9.2	7.8	7.5
22	27	38	137	47	41	74	801	32	15	8.9	8.4	7.4
23	23	491	74	64	54	63	231	29	19	8.5	8.6	7.3
24	16	273	56	145	45	69	110	26	16	8.7	7.7	7.4
25	18	78	52	94	41	81	80	24	11	8.9	7.5	7.1
26	21	41	52	70	40	64	68	26	11	9.0	7.4	7.2
27	20	90	54	60	286	66	73	36	10	16	7.5	7.5
28	20	95	605	54	121	233	828	88	12	13	8.7	7.6
29	21	51	188	50	81	97	479	35	14	9.9	10	7.5
30	21	38	109	46	---	72	217	28	11	9.3	8.9	7.6
31	21	---	89	42	---	63	---	25	---	9.8	9.0	---
TOTAL	436.1	1993	6969	2036	1868	2720	4124	4166	413	348.6	300.5	242.7
MEAN	14.1	66.4	225	65.7	64.4	87.7	137	134	13.8	11.2	9.69	8.09
MAX	33	491	2060	190	286	233	828	984	23	23	13	14
MIN	6.9	22	32	41	36	53	35	24	10	8.5	7.4	7.1
CFSM	.33	1.57	5.33	1.56	1.53	2.08	3.25	3.18	.33	.27	.23	.19
IN.	.38	1.76	6.14	1.79	1.65	2.40	3.64	3.67	.36	.31	.26	.21

CAL YR 1983 TOTAL 43988.4 MEAN 121 MAX 4530 MIN 6.6 CFSM 2.87 IN 38.78
WTR YR 1984 TOTAL 25616.9 MEAN 70.0 MAX 2060 MIN 6.9 CFSM 1.66 IN 22.58

02429980 POLLARD MILL BRANCH NEAR PADEN, MS

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft upstream from culvert on State Highway 30, 0.8 mi east of Paden.

DRAINAGE AREA.--2.01 mi^2.

PERIOD OF RECORD.--Annual maximums, water years 1967-72. October 1972 to current year.

REVISED RECORDS.--WOR MS-80-1: Drainage area.

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 440 ft from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--12 years, 7.04 ft^3/s, 47.56 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 524 ft^3/s May 19, 1983, gage height, 6.07 ft, from rating extended above 20 ft^3/s on basis of computation of peak flow through culvert; minimum, 1.1 ft^3/s July 7, 1980; minimum gage height, 2.36 ft Oct. 24-27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 344 ft^3/s Apr. 28, gage height, 5.13 ft from rating curve extended above 20 ft^3/s on basis of computation of peak flow through culvert; minimum discharge 2.5 ft^3/s Sept. 22, gage height, 2.37 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	5.0	4.9	5.3	4.8	5.4	5.3	7.1	5.3	4.2	4.0	3.3
2	3.8	5.0	9.1	5.3	4.6	5.3	5.3	24	5.0	4.2	4.1	3.3
3	4.1	5.0	86	5.1	6.0	5.0	8.7	25	4.8	4.0	3.9	3.5
4	4.1	6.2	15	5.0	5.2	5.4	5.9	10	4.7	4.1	4.1	3.3
5	4.2	5.3	8.7	5.0	5.0	8.2	5.6	8.2	4.5	4.4	4.1	3.3
6	4.2	5.3	9.3	5.0	4.8	6.6	5.3	7.2	4.4	4.4	4.0	3.2
7	4.2	5.5	6.7	5.0	4.8	5.7	5.2	12	4.2	4.7	3.8	3.2
8	4.3	5.2	6.2	5.0	4.6	5.4	5.2	16	4.5	4.5	3.8	3.2
9	4.1	5.0	5.8	5.0	4.6	5.0	5.6	8.1	4.3	4.2	5.2	3.4
10	4.2	5.3	5.7	9.2	6.1	5.0	5.3	7.0	4.2	4.0	4.5	4.7
11	5.1	5.4	7.9	5.9	5.0	5.0	5.0	6.4	4.2	3.9	4.0	3.7
12	6.2	5.3	6.0	5.7	7.1	5.3	5.1	6.3	4.2	4.2	3.6	3.6
13	6.1	5.3	5.7	5.4	6.6	6.6	5.0	6.0	4.1	4.0	3.5	3.4
14	4.5	7.4	8.5	5.3	5.7	5.3	5.1	5.6	4.0	4.0	3.8	3.3
15	4.2	8.3	6.0	5.3	5.3	5.2	5.0	5.5	4.7	4.0	4.0	3.3
16	4.0	5.4	5.5	5.3	5.7	5.0	5.2	5.2	4.6	4.0	3.6	3.2
17	3.8	5.2	5.3	5.0	5.3	7.4	5.2	5.2	4.2	7.3	3.7	3.1
18	3.8	5.1	5.3	6.1	5.2	5.9	5.0	5.1	4.2	4.7	3.7	3.1
19	4.2	5.4	5.1	5.0	5.0	5.4	5.4	5.0	4.0	4.1	3.6	3.2
20	4.2	10	5.0	4.6	5.0	6.9	5.5	5.5	4.0	4.0	3.6	3.2
21	4.5	5.9	5.7	4.6	5.0	5.6	5.4	5.9	5.2	3.8	3.5	3.2
22	6.0	5.5	6.5	4.6	6.3	5.2	24	5.4	4.7	3.7	3.5	3.1
23	5.4	23	5.5	6.1	5.8	5.0	6.9	5.3	5.4	3.8	3.4	2.9
24	5.2	6.6	4.8	7.2	5.1	5.3	6.1	5.1	4.7	3.8	3.4	2.9
25	5.0	5.5	4.6	5.9	4.6	6.2	5.6	5.0	4.2	3.8	3.4	2.9
26	5.0	5.0	4.6	5.5	5.4	5.3	5.4	7.7	4.0	3.8	3.4	2.9
27	5.0	11	5.6	5.3	10	5.7	5.7	17	4.1	4.7	3.3	3.0
28	5.0	6.6	16	5.1	6.5	10	67	14	6.0	4.0	3.7	3.1
29	5.0	5.3	6.5	5.0	5.7	6.5	11	6.7	5.0	3.9	3.6	3.1
30	5.0	5.1	5.5	5.0	---	5.9	9.1	5.9	4.4	3.8	3.6	3.0
31	4.9	---	5.3	5.0	---	5.7	---	5.5	---	3.9	3.5	---
TOTAL	143.4	195.1	288.3	167.8	160.8	181.4	255.1	263.9	135.8	129.9	116.9	97.6
MEAN	4.63	6.50	9.30	5.41	5.54	5.85	8.50	8.51	4.53	4.19	3.77	3.25
MAX	6.2	23	86	9.2	10	10	67	25	6.0	7.3	5.2	4.7
MIN	3.8	5.0	4.6	4.6	4.6	5.0	5.0	5.0	4.0	3.7	3.3	2.9
CFSM	2.30	3.23	4.63	2.69	2.76	2.91	4.23	4.23	2.25	2.09	1.88	1.62
IN.	2.65	3.61	5.33	3.10	2.97	3.36	4.72	4.88	2.51	2.40	2.16	1.81

CAL YR 1983	TOTAL	2696.0	MEAN 7.39	MAX 137	MIN 2.9	CFSM 3.68	IN 49.87
WTR YR 1984	TOTAL	2136.0	MEAN 5.84	MAX 86	MIN 2.9	CFSM 2.91	IN 39.51

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--34°28'00", long 88°17'00", in SW¼SE¼ sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream side of bridge on county road, 0.18 mi south of intersection of county road and blacktop road, 2.7 mi east-southeast of Moores Mill, and 5.6 mi southwest of Belmont.

DRAINAGE AREA.--15.7 mi^2.

PERIOD OF RECORD.--June 1975 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 360.36 ft.

REMARKS.--Records good except those for Oct. 1 through Dec. 1, which are poor.

AVERAGE DISCHARGE.--9 years, 26.3 ft^3/s, 22.75 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,690 ft^3/s Dec. 3, 1983. Gage height, 12.25 ft; minimum, 1.6 ft^3/s Aug. 10, 11, 14, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 3	1215	*1690	12.25	Apr. 28	1045	718	10.70
Dec. 6	0100	608	10.34	May 3	0345	1090	11.42
Dec. 27	1830	506	9.72	May 7	2300	1380	11.86

Minimum discharge, 2.4 ft^3/s Sept. 22; minimum gage height, 3.80 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	9.2	19	32	18	32	22	42	16	6.1	5.3	3.2
2	4.5	9.2	147	31	17	28	41	199	15	5.6	5.7	3.0
3	4.5	18	1140	25	32	23	115	541	13	5.3	5.6	3.0
4	4.4	40	327	25	21	22	52	130	12	5.1	5.6	3.1
5	4.4	23	155	25	19	79	37	85	11	5.8	5.9	2.9
6	4.4	13	258	24	16	52	31	63	11	7.1	5.6	2.8
7	4.4	15	103	22	15	34	26	318	11	5.7	5.0	2.7
8	4.0	14	75	21	15	28	25	540	11	6.4	4.5	2.6
9	4.0	13	64	20	16	23	27	132	9.4	5.4	4.5	2.7
10	4.0	12	56	108	91	24	26	81	8.6	4.7	5.6	3.3
11	10	11	130	56	37	22	22	58	8.0	4.3	6.3	3.6
12	28	11	72	37	62	22	21	45	8.0	4.2	4.7	3.2
13	35	12	82	31	69	37	20	37	7.3	4.8	4.1	3.0
14	29	40	110	26	39	24	19	31	7.6	11	3.9	2.7
15	10	135	65	26	30	21	17	26	11	5.9	5.5	2.6
16	8.0	60	50	25	36	21	18	26	7.9	5.1	4.4	2.6
17	13	25	46	22	26	81	18	24	7.0	20	4.1	2.6
18	30	13	40	62	23	48	15	24	6.8	13	3.6	2.6
19	12	45	34	29	20	36	22	24	6.3	6.6	3.6	2.6
20	9.0	110	32	24	18	49	19	25	6.9	5.5	3.7	2.6
21	20	40	122	21	17	32	17	27	8.8	4.9	3.4	2.6
22	45	25	124	22	28	26	82	23	8.5	4.5	3.7	2.5
23	30	240	77	42	34	23	28	21	26	4.3	3.9	2.5
24	20	100	53	74	21	25	22	14	16	4.2	3.3	2.5
25	12	45	39	39	17	23	19	12	8.9	4.3	3.1	2.5
26	11	30	36	32	19	21	18	17	7.2	4.1	3.1	2.6
27	10	130	192	27	159	22	25	30	6.7	7.1	3.1	2.8
28	9.5	70	130	25	67	93	241	68	6.3	5.8	3.3	2.7
29	9.3	40	62	22	41	35	95	25	7.7	4.6	3.9	2.8
30	9.2	25	40	20	---	27	63	21	7.3	4.6	3.5	2.9
31	9.2	---	35	19	---	24	---	18	---	5.7	3.6	---
TOTAL	412.4	1373.4	3915	1014	1023	1057	1203	2727	298.2	191.7	135.1	83.8
MEAN	13.3	45.8	126	32.7	35.3	34.1	40.1	88.0	9.94	6.18	4.36	2.79
MAX	45	240	1140	108	159	93	241	541	26	20	6.3	3.6
MIN	4.0	9.2	19	19	15	21	15	12	6.3	4.1	3.1	2.5
CFSM	.85	2.92	8.03	2.08	2.25	2.17	2.55	5.61	.63	.39	.28	.18
IN.	.98	3.25	9.28	2.40	2.42	2.50	2.85	6.46	.71	.45	.32	.20

CAL YR 1983 TOTAL 17091.0 MEAN 46.8 MAX 1140 MIN 3.2 CFSM 2.98 IN 40.49
WTR YR 1984 TOTAL 13433.6 MEAN 36.7 MAX 1140 MIN 2.5 CFSM 2.34 IN 31.83

02430100 MACKEY'S CREEK NEAR MOORE'S MILL, MS

LOCATION.--Lat 34°29'13", long 88°20'44", in SW¼NW¼ sec.10, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160601, on left bank 15 ft upstream from county bridge, 1 mi west of Moore's Mill, and 0.5 mi west of the Tennessee-Tombigbee Waterway.

DRAINAGE AREA.--118 mi^2.

PERIOD OF RECORD.--October 1983 to September 1984.

GAGE.--Water-stage recorder. Altitude of gage is 330 ft from topographic map.

REMARKS.--Records poor. No gage height record Nov. 28 to Jan. 25.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown Dec. 3, 1983, gage height unknown, minimum discharge, unknown.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	61	100	150	108	130	99	234	54	31	29	24
2	66	73	90	130	93	118	96	413	52	29	32	23
3	54	77	2500	120	108	106	311	1170	50	29	34	21
4	39	61	2300	110	99	100	185	579	75	28	30	20
5	47	63	600	105	88	198	139	380	53	29	32	18
6	59	56	500	96	79	177	122	294	44	32	32	19
7	62	58	450	94	76	138	106	318	45	28	60	18
8	71	62	430	90	76	120	100	1130	44	26	46	16
9	76	45	400	88	76	104	98	614	41	26	27	21
0	78	50	740	400	190	101	96	351	39	25	25	23
1	87	62	760	450	141	100	89	181	39	22	27	16
2	99	66	450	200	138	97	88	141	39	27	25	18
3	161	66	350	130	238	136	87	120	38	28	41	16
4	117	69	450	110	151	113	77	104	36	30	42	13
15	86	155	350	100	125	98	72	89	39	26	30	13
16	70	94	300	94	127	95	74	80	38	26	27	53
17	58	86	350	90	114	202	74	77	37	40	26	49
18	54	74	300	170	103	192	155	78	40	81	23	38
19	62	69	260	110	100	144	173	76	40	52	22	37
20	78	227	230	100	91	167	145	74	33	37	21	34
21	58	98	220	94	86	136	137	110	32	31	29	21
22	52	76	560	86	85	114	420	80	32	27	24	14
23	84	351	450	260	127	105	228	88	35	25	24	12
24	96	326	350	130	99	101	178	90	60	25	21	13
25	90	110	250	140	88	113	160	70	40	25	21	14
26	120	80	230	124	85	98	157	62	35	29	20	21
27	98	203	350	113	321	93	173	58	34	36	20	16
28	39	320	700	110	223	268	519	200	32	44	20	9.6
29	36	150	600	106	153	156	459	188	39	28	51	19
30	43	111	350	93	---	119	305	66	36	27	40	19
31	52	---	200	84	---	106	---	59	---	33	23	---
TOTAL	2268	3399	16170	4277	3588	4045	5122	7574	1251	982	924	648.6
MEAN	73.2	113	522	138	124	130	171	244	41.7	31.7	29.8	21.6
MAX	161	351	2500	450	321	268	519	1170	75	81	60	53
MIN	36	45	90	84	76	93	72	58	32	22	20	9.6
CFSM	.62	.96	4.44	1.17	1.06	1.11	1.46	2.08	.36	.27	.25	.18
IN.	.72	1.08	5.12	1.35	1.14	1.28	1.62	2.40	.40	.31	.29	.21

WTR YR 1984 TOTAL 50248.6 MEAN 137 MAX 2500 MIN 9.6 CFSM 1.17 IN 15.90

02430100 MACKEY'S CREEK NEAR MOORE'S MILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.27	3.00		---	3.74	4.04	3.61	5.19	2.88	2.38	2.35	2.19
2	3.09	3.22		---	3.53	3.88	3.56	6.50	2.83	2.34	2.40	2.18
3	2.86	3.26		---	3.74	3.72	5.86	11.10	2.78	2.34	2.46	2.11
4	2.57	3.01		---	3.62	3.64	4.68	7.88	3.20	2.31	2.36	2.09
5	2.74	3.04		---	3.45	4.80	4.15	6.46	2.86	2.33	2.40	2.04
6	2.97	2.92		---	3.32	4.59	3.93	5.75	2.67	2.41	2.39	2.06
7	3.01	2.94		---	3.27	4.13	3.72	5.85	2.68	2.30	2.88	2.03
8	3.18	3.02		---	3.26	3.91	---	10.92	2.67	2.26	2.70	1.96
9	3.27	2.69		---	3.26	3.69	---	8.12	2.62	2.26	2.29	2.12
10	3.30	2.79		---	4.67	3.64	---	6.18	2.56	2.22	2.24	2.17
11	3.44	3.02		---	4.17	3.63	3.46	4.63	2.58	2.16	2.30	1.96
12	3.61	3.09		---	4.11	3.59	3.44	4.17	2.57	2.27	2.23	2.01
13	4.41	3.10		---	5.21	4.10	3.44	3.91	2.54	2.31	2.55	1.96
14	3.86	3.14		---	4.29	3.81	3.28	3.69	2.51	2.36	2.63	1.85
15	---	4.31		---	3.97	3.60	3.20	3.46	2.56	2.25	2.35	1.85
16	3.74	3.53		---	4.00	3.55	3.23	3.32	2.55	2.25	2.29	2.65
17	---	3.42		---	3.83	4.80	3.23	3.27	2.52	2.55	2.24	2.76
18	---	3.22		---	3.67	4.75	4.16	---	2.59	3.34	2.18	2.54
19	---	3.15		---	3.63	4.21	4.55	---	2.59	2.83	2.15	2.52
20	---	5.05		---	3.49	4.48	4.23	---	2.43	2.52	2.12	2.45
21	---	3.59		---	3.42	4.11	4.12	---	2.41	2.39	2.32	2.10
22	---	3.26		---	3.41	3.83	6.69	---	2.40	2.29	2.22	1.89
23	---	5.90		---	4.00	3.69	5.12	---	2.47	2.23	2.19	1.81
24	---	5.90		---	3.61	3.65	4.61	---	2.97	2.23	2.11	1.86
25	---	3.77		4.16	3.45	3.81	4.40	---	2.58	2.23	2.12	1.90
26	---	3.32		3.96	3.40	3.60	4.37	---	2.47	2.32	2.08	2.10
27	3.56	4.69		3.81	5.93	3.53	4.55	---	2.44	2.48	2.09	1.95
28	2.56	5.98		3.77	5.07	5.47	7.15	---	2.41	2.66	2.10	1.72
29	2.50	---		3.71	4.32	4.35	7.04	4.49	2.56	2.31	2.69	2.06
30	2.66	---		3.53	---	3.89	5.85	3.10	2.49	2.28	2.58	2.07
31	2.82	---		3.38	---	3.71	---	2.96	---	2.43	2.18	---
TOTAL	---	---		---	112.84	124.20	---	---	78.39	73.84	72.19	62.96
MEAN	---	---		---	3.89	4.01	---	---	2.61	2.38	2.33	2.10
MAX	---	---		---	5.93	5.47	---	---	3.20	3.34	2.88	2.76
MIN	---	---		---	3.26	3.53	---	---	2.40	2.16	2.08	1.72

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 1983 to July 1984 (discontinued).
pH: August 1983 to July 1984 (discontinued).
WATER TEMPERATURE: August 1983 to July 1984 (discontinued).
DISSOLVED OXYGEN: September 1983 to July 1984 (discontinued).

INSTRUMENTATION.--Water-quality mini-monitor from August 1983 to July 1984.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument. Construction upstream may at times affect the water quality.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 208 micromhos Aug. 25, 1983; minimum, 27 micromhos May 8, 1984.
WATER TEMPERATURE: Maximum, 31.5 C Aug. 29-30, 1983; minimum, 0.5 C Jan. 22, 1984.

WATER QUALITY DATA, OCTOBER 1983 TO JULY 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)
NOV 14...	1010	68	125	6.9	12.5	6	3.6	10.3	97	<10
JAN 30...	1145	95	62	6.2	5.0	22	9.5	12.2	96	<10
APR 17...	1115	74	67	6.4	14.0	25	8.8	11.0	108	<10
JUL 10...	1410	25	90	6.6	27.0	5	6.0	7.1	90	14

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SODIUM, DIS-SOLVED (MG/L AS NA)	ALKA-LINITY LAB (MG/L AS CACO3)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)
NOV 14...	54	5.3	41	4.8	81	.11	15	.10	.380	2.5
JAN 30...	--	2.4	19	6.9	51	.07	13	.20	.010	.59
APR 17...	K36	3.0	19	5.5	--	--	--	<.10	.160	1.3
JUL 10...	K43	3.2	29	4.0	73	.10	4.9	<.10	.030	.57

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	PHENOLS TOTAL (UG/L)
NOV 14...	2.9	3.0	.080	.010	690	180	80	64	1.3	<1
JAN 30...	.60	.80	.030	.010	700	240	230	230	.7	<1
APR 17...	1.5	--	.020	.040	930	240	250	240	.1	<1
JUL 10...	.60	--	.020	.010	720	210	180	120	1.5	<1

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
NOV										
14...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JAN										
30...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
APR										
17...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JUL										
10...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
NOV									
14...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JAN									
30...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
APR									
17...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JUL									
10...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV									
14...	<.01	<.01	<.1	<1	<.01	.02	<.01	<.01	<.01
JAN									
30...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
APR									
17...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
JUL									
10...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
OCT				
04...	0930	38	18	1.8
13...	0830	176	90	43
24...	0900	132	19	6.8
28...	0930	39	11	1.2
NOV				
03...	0945	83	16	3.6
14...	1010	68	10	1.8
21...	1000	91	38	9.3
FEB				
06...	1025	78	28	5.9
MAR				
26...	0930	100	66	18
APR				
02...	1030	95	55	14
11...	1000	87	29	6.8
17...	1115	74	26	5.2
25...	1050	159	64	27
MAY				
10...	1000	279	100	75
29...	1045	80	121	26
JUN				
11...	1030	39	36	3.8
28...	1000	30	46	3.7

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1							---	---	---	201	193	197
2							---	---	---	200	192	197
3							---	---	---	200	185	194
4							---	---	---	197	194	196
5							200	166	178	198	195	196
6							175	121	164	205	193	198
7							123	83	106	202	199	200
8							89	63	76	200	198	199
9							62	60	61	201	187	196
10							83	57	63	200	188	192
11							76	58	62	187	169	179
12							69	52	59	173	163	168
13							57	47	50	174	172	173
14							62	44	51	176	174	175
15							64	46	49	178	175	176
16							60	42	49	176	175	176
17							59	46	51	176	174	175
18							56	45	47	179	171	175
19							56	44	47	177	173	175
20							50	44	46	175	136	165
21							54	46	49	---	---	---
22							50	45	47	---	---	---
23							50	36	45	172	161	167
24							41	37	39	162	160	161
25							208	40	83	161	160	161
26							202	173	187	163	159	162
27							188	183	186	163	157	161
28							193	187	190	164	154	161
29							197	190	193	162	150	159
30							200	187	193	163	135	148
31							200	189	196	---	---	---
MONTH							208	36	95	205	135	178

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	163	161	162	128	123	125				---	---	---
2	161	160	161	131	126	129				---	---	---
3	161	137	152	131	121	129				---	---	---
4	149	145	146	121	97	111				---	---	---
5	155	149	152	108	98	104				---	---	---
6	162	149	157	114	109	111				---	---	---
7	165	156	162	118	115	116				---	---	---
8	169	163	166	117	85	109				---	---	---
9	172	167	170	102	80	88				---	---	---
10	170	167	169	101	85	92				---	---	---
11	168	161	165	114	103	110				---	---	---
12	160	137	154	118	114	116				---	---	---
13	124	84	104	119	117	118				---	---	---
14	127	118	124	118	90	115				---	---	---
15	128	123	126	119	71	88				---	---	---
16	125	123	124	115	99	108				---	---	---
17	126	121	124	128	116	122				---	---	---
18	125	122	123	125	121	123				---	---	---
19	125	122	124	123	108	120				71	52	59
20	131	124	127	106	59	68				67	61	64
21	133	128	130	86	69	77				61	59	60
22	133	121	129	97	85	92				69	58	61
23	120	111	116	91	41	61				75	56	64
24	128	121	124	60	50	54				51	41	48
25	130	128	129	72	61	66				52	49	50
26	132	129	130	80	71	76				53	51	52
27	131	126	129	81	47	62				54	52	53
28	127	110	118	---	---	---				74	54	61
29	112	105	108	---	---	---				68	60	63
30	119	110	114	---	---	---				60	58	60
31	124	118	121	---	---	---				61	59	60
MONTH	172	84	137	131	41	100						

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	91	59	79	64	50	55	56	53	55	53	49	51
2	80	65	71	66	49	57	---	---	---	54	35	46
3	65	50	56	69	50	57	---	---	---	39	30	34
4	60	55	58	65	52	55	---	---	---	44	36	39
5	62	59	61	59	38	48	---	---	---	48	40	44
6	64	62	64	49	45	47	---	---	---	54	46	49
7	65	63	64	50	49	49	---	---	---	56	29	49
8	65	63	64	52	50	51	---	---	---	38	27	33
9	64	62	63	54	52	53	---	---	---	72	37	49
10	62	35	47	64	54	58	---	---	---	64	51	56
11	52	48	50	62	57	59	60	56	58	55	49	52
12	53	39	50	64	59	61	73	56	61	59	49	53
13	48	40	45	60	46	53	69	63	65	59	51	55
14	50	47	49	55	52	54	64	62	63	55	51	52
15	52	50	51	58	55	56	64	62	63	58	55	57
16	52	48	50	84	57	74	67	62	64	61	58	60
17	54	50	53	83	52	71	66	61	63	62	59	60
18	56	54	55	65	53	57	119	62	86	65	61	63
19	62	55	56	66	59	63	102	65	79	64	60	63
20	64	57	60	72	61	66	64	62	63	74	60	66
21	65	58	60	77	65	70	63	62	63	69	56	61
22	65	57	62	88	77	82	61	33	43	77	58	69
23	58	48	52	107	89	97	53	47	49	68	62	65
24	65	54	58	114	51	85	57	52	54	71	64	68
25	68	59	62	54	50	53	60	56	58	73	69	71
26	72	59	64	70	54	56	63	59	61	76	68	73
27	60	37	45	56	51	55	61	55	58	73	55	65
28	64	44	49	60	34	47	62	29	44	75	37	52
29	65	48	56	50	47	48	41	37	39	62	55	59
30	---	---	---	52	50	51	48	39	42	67	61	65
31	---	---	---	54	52	53	---	---	---	70	67	69
MONTH	91	35	57	114	34	59				77	27	56

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	72	69	71	86	52	82						
2	74	71	73	46	42	44						
3	76	73	75	49	46	47						
4	110	74	89	52	49	50						
5	97	80	88	56	53	55						
6	81	78	80	59	56	57						
7	85	78	82	64	59	61						
8	84	80	83	66	63	65						
9	84	80	82	---	---	---						
10	89	80	83	---	---	---						
11	93	82	86	---	---	---						
12	97	86	89	---	---	---						
13	94	87	89	---	---	---						
14	92	87	89	---	---	---						
15	90	80	86	---	---	---						
16	84	80	82	---	---	---						
17	84	80	83	---	---	---						
18	105	81	88	---	---	---						
19	98	87	95	---	---	---						
20	88	81	86	---	---	---						
21	108	75	81	---	---	---						
22	86	80	82	---	---	---						
23	---	---	---	---	---	---						
24	---	---	---	---	---	---						
25	---	---	---	---	---	---						
26	---	---	---	---	---	---						
27	---	---	---	---	---	---						
28	---	---	---	---	---	---						
29	95	85	88	---	---	---						
30	86	83	85	---	---	---						
31	---	---	---	---	---	---						
MONTH	110	69	84									

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

PH (STANDARD UNITS), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1									---	---	7.0	6.9
2									---	---	7.1	6.9
3									---	---	7.1	7.0
4									---	---	7.1	7.0
5									---	---	7.0	6.9
6									---	---	6.9	6.8
7									---	---	6.9	6.8
8									---	---	7.1	6.9
9									---	---	7.1	6.9
10									---	---	6.9	6.8
11									---	---	6.9	6.9
12									---	---	7.0	6.9
13									---	---	7.0	6.9
14									---	---	7.0	6.9
15									---	---	7.0	7.0
16									---	---	7.0	6.9
17									---	---	7.1	7.0
18									---	---	7.1	7.0
19									---	---	7.1	7.0
20									---	---	7.1	6.9
21									---	---	6.9	6.7
22									---	---	7.0	6.7
23									---	---	7.0	7.0
24									6.4	5.9	7.0	7.0
25									6.7	6.0	7.0	7.0
26									6.6	6.3	7.1	7.0
27									6.8	6.6	7.1	7.0
28									6.9	6.7	7.1	7.1
29									7.0	6.9	7.1	7.0
30									6.9	6.9	7.0	6.9
31									7.0	6.9	---	---
MONTH											7.1	6.7

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	7.0					---	---	6.8	6.4	6.1	6.1
2	7.0	7.0					---	---	6.8	6.5	6.1	6.1
3	7.0	6.9					---	---	6.6	6.4	6.1	6.1
4	7.0	6.9					---	---	6.6	6.5	6.1	6.0
5	7.1	6.9					---	---	6.6	6.5	6.2	6.0
6	7.0	6.9					---	---	6.6	6.6	6.2	6.2
7	6.9	6.9					---	---	6.6	6.5	6.3	6.2
8	7.0	6.9					---	---	6.6	6.6	6.3	6.3
9	7.0	6.8					---	---	6.5	6.5	6.3	6.2
10	6.8	6.7					---	---	6.5	6.0	6.3	6.3
11	6.8	6.7					---	---	6.4	6.3	6.4	6.3
12	6.9	6.8					---	---	6.4	6.1	6.3	6.2
13	6.8	6.5					---	---	6.2	6.0	6.2	6.1
14	6.9	6.8					---	---	6.2	6.1	6.2	6.1
15	6.9	6.8					---	---	6.2	6.2	6.2	6.1
16	6.9	6.8					---	---	6.1	5.8	6.2	6.1
17	6.9	6.8					---	---	6.2	6.1	6.1	6.0
18	6.9	6.8					---	---	6.2	6.2	6.1	6.0
19	6.8	6.7					6.5	6.2	6.3	6.2	6.1	6.1
20	6.8	6.7					6.5	6.4	6.3	6.2	6.2	6.2
21	6.8	6.7					6.4	6.3	6.3	6.2	6.2	6.2
22	6.8	6.7					6.4	6.4	6.3	6.2	6.2	6.2
23	6.8	6.7					6.6	6.4	6.2	6.1	6.2	6.1
24	6.8	6.8					6.3	6.0	6.2	6.1	6.4	6.1
25	6.9	6.8					6.3	6.2	6.2	6.2	6.5	6.2
26	7.0	6.9					6.3	6.2	6.2	6.2	6.2	6.1
27	7.0	6.9					6.3	6.3	6.2	5.7	6.3	6.1
28	---	---					6.6	6.3	6.1	5.9	6.3	6.2
29	---	---					6.5	6.4	6.1	6.0	6.4	6.3
30	---	---					6.5	6.4	---	---	6.3	6.3
31	---	---					6.4	6.4	---	---	6.4	6.3
MONTH	7.1	6.5							6.8	5.7	6.5	6.0

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

PH (STANDARD UNITS), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.4	6.3	6.3	6.2	6.5	6.5	6.5	6.5				
2	---	---	6.3	5.6	6.5	6.5	6.5	6.4				
3	---	---	5.7	5.3	6.5	6.5	6.5	6.4				
4	---	---	5.9	5.7	6.5	6.5	6.5	6.4				
5	---	---	6.0	5.9	6.5	6.5	6.4	6.4				
6	---	---	6.2	6.0	6.5	6.5	6.4	6.4				
7	---	---	6.2	5.7	6.5	6.4	6.4	6.4				
8	---	---	5.7	5.4	6.5	6.4	6.4	6.4				
9	---	---	6.4	5.7	6.5	6.4	---	---				
10	---	---	6.2	6.0	6.5	6.4	---	---				
11	---	---	6.1	6.0	6.5	6.4	---	---				
12	---	---	6.1	5.7	6.5	6.4	---	---				
13	---	---	5.7	5.5	6.5	6.4	---	---				
14	---	---	6.0	5.5	6.5	6.4	---	---				
15	---	---	6.3	6.1	6.5	6.4	---	---				
16	---	---	6.5	6.3	6.5	6.4	---	---				
17	---	---	---	---	6.5	6.4	---	---				
18	---	---	---	---	6.5	6.5	---	---				
19	---	---	---	---	6.5	6.5	---	---				
20	---	---	---	---	6.5	6.4	---	---				
21	---	---	---	---	6.5	6.5	---	---				
22	---	---	---	---	6.5	6.5	---	---				
23	---	---	---	---	6.5	6.5	---	---				
24	---	---	---	---	6.6	6.5	---	---				
25	---	---	---	---	6.6	6.5	---	---				
26	6.4	6.3	---	---	6.6	6.5	---	---				
27	6.4	6.3	---	---	6.6	6.5	---	---				
28	6.4	5.4	---	---	6.7	6.4	---	---				
29	6.0	5.7	---	---	6.5	6.5	---	---				
30	6.2	5.9	---	---	6.5	6.5	---	---				
31	---	---	---	---	---	---	---	---				
MONTH					6.7	6.4						

TEMPERATURE, WATER (DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1							---	---	---	29.5	27.5	28.5
2							---	---	---	29.0	27.5	28.5
3							---	---	---	28.5	26.5	27.5
4							---	---	---	28.5	26.5	27.5
5							30.0	27.0	28.5	27.5	26.5	27.0
6							30.0	27.5	28.5	27.5	26.5	27.0
7							28.0	26.0	27.0	27.5	26.5	27.0
8							27.0	25.5	26.5	28.5	26.0	27.0
9							27.5	25.5	26.5	28.0	26.0	27.0
10							27.5	26.0	26.5	28.5	26.5	27.0
11							27.5	26.0	27.0	28.5	26.5	27.5
12							27.5	26.0	26.5	27.5	26.0	26.5
13							26.0	24.0	25.0	27.5	26.0	26.5
14							25.5	23.5	24.5	26.5	24.5	25.5
15							25.5	24.0	25.0	26.0	23.5	24.5
16							25.5	23.5	24.5	26.0	23.5	24.5
17							25.5	24.0	25.0	26.5	24.0	25.0
18							26.0	24.0	25.0	26.5	24.5	25.0
19							25.5	24.0	25.0	26.0	24.5	25.0
20							25.5	24.0	25.0	25.0	24.0	24.5
21							26.5	25.0	25.5	23.5	21.5	22.5
22							27.0	25.5	26.5	23.0	19.0	20.5
23							27.0	25.5	26.5	22.5	21.5	22.0
24							27.0	25.5	26.0	22.0	20.0	21.0
25							30.5	25.0	27.5	21.5	19.5	20.5
26							30.5	29.0	30.0	22.0	20.0	21.0
27							31.0	29.5	30.0	22.5	20.0	21.0
28							31.5	29.0	30.0	23.0	20.5	21.5
29							31.5	29.0	30.0	22.5	20.0	21.5
30							30.5	28.5	29.5	23.0	19.5	21.0
31							29.5	28.5	28.5	---	---	---
MONTH							31.5	23.5	27.0	29.5	19.0	24.5

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

TEMPERATURE, WATER (DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	20.0	21.0	18.5	16.0	17.0				---	---	---
2	22.5	20.0	21.0	18.5	17.0	17.5				---	---	---
3	22.5	20.0	21.0	19.0	17.0	18.0				---	---	---
4	22.5	20.0	21.0	17.5	16.0	17.5				---	---	---
5	22.5	21.5	22.0	16.0	14.5	15.5				---	---	---
6	22.5	20.0	21.5	15.5	13.5	14.5				---	---	---
7	22.5	20.5	21.5	15.5	15.0	15.0				---	---	---
8	22.5	20.0	21.0	16.0	14.0	15.0				---	---	---
9	22.5	21.0	21.5	15.5	14.0	15.0				---	---	---
10	22.5	20.5	21.5	15.5	13.0	14.0				---	---	---
11	21.5	21.0	21.0	13.0	12.5	13.0				---	---	---
12	21.5	20.0	21.0	13.0	11.5	12.0				---	---	---
13	19.5	18.5	19.0	13.5	12.0	12.5				---	---	---
14	20.0	18.0	19.0	13.5	12.0	12.5				---	---	---
15	20.0	18.0	19.0	13.5	12.0	13.0				---	---	---
16	20.5	18.5	19.5	13.0	11.5	12.5				---	---	---
17	20.0	19.5	20.0	13.0	11.0	12.0				---	---	---
18	20.0	19.5	20.0	13.0	11.5	12.5				---	---	---
19	20.5	19.5	20.0	14.5	13.0	14.0				3.5	2.0	2.5
20	20.5	19.5	20.0	14.0	12.5	13.5				2.5	1.5	2.0
21	20.0	20.0	20.0	13.0	11.5	12.5				2.0	1.0	1.5
22	20.0	19.0	19.5	14.0	12.0	13.0				2.5	.5	1.5
23	19.0	18.5	18.5	16.0	14.0	14.5				3.0	2.0	2.5
24	18.5	18.0	18.5	15.5	12.5	14.0				4.0	3.0	3.5
25	18.0	17.5	18.0	12.0	11.0	11.5				5.0	4.0	4.5
26	18.0	16.5	17.0	11.5	10.0	11.0				5.0	4.0	4.5
27	17.5	16.5	17.0	12.5	11.5	12.0				5.5	4.0	5.0
28	17.0	15.0	16.0	---	---	---				5.0	4.5	5.0
29	17.0	14.5	15.5	---	---	---				6.0	4.0	5.0
30	18.0	15.5	17.0	---	---	---				5.5	5.0	5.5
31	18.0	16.0	17.0	---	---	---				5.0	4.0	4.5
MONTH	22.5	14.5	19.5	19.0	10.0	14.0						
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	4.0	4.5	7.0	5.0	6.0	14.0	11.0	12.5	19.0	17.0	18.0
2	6.5	4.5	5.5	8.0	6.0	7.0	---	---	---	17.5	16.5	17.0
3	7.5	6.5	7.0	10.0	7.5	8.5	---	---	---	17.0	16.0	16.5
4	7.5	6.5	7.0	11.0	9.0	10.0	---	---	---	18.0	16.0	17.0
5	6.5	4.5	6.0	10.5	10.0	10.5	---	---	---	18.5	16.5	17.0
6	4.5	3.5	4.0	9.5	8.5	9.0	---	---	---	19.0	17.0	18.0
7	5.0	2.5	4.0	9.0	7.5	8.5	---	---	---	20.0	19.0	19.5
8	5.5	3.0	4.5	10.0	8.0	8.5	---	---	---	19.0	17.0	17.5
9	6.0	3.5	5.0	9.0	7.0	8.0	---	---	---	18.5	16.0	17.0
10	8.0	6.0	7.0	8.0	7.0	7.5	---	---	---	17.5	15.5	16.5
11	10.5	8.0	9.0	9.5	6.5	8.0	16.5	14.5	16.0	18.5	16.5	17.5
12	11.0	10.0	10.5	8.5	8.0	8.0	17.0	14.5	15.5	19.5	18.0	18.5
13	11.5	10.5	11.0	10.5	8.5	9.0	18.0	15.0	16.5	21.0	19.0	20.0
14	11.0	9.5	10.0	12.0	9.0	10.5	17.5	15.0	16.0	22.5	20.0	21.0
15	10.5	9.0	10.0	13.5	11.0	12.5	15.5	14.5	15.0	21.5	19.5	20.5
16	11.5	10.0	10.5	14.5	13.0	13.5	15.0	13.5	14.5	20.5	18.0	19.5
17	11.0	9.5	10.5	14.0	13.0	13.5	15.0	13.5	14.0	21.0	18.0	19.0
18	11.5	9.5	10.5	15.5	13.5	14.5	16.0	12.5	14.0	20.0	18.5	19.0
19	12.0	11.5	11.5	15.5	14.5	15.0	16.0	13.5	14.5	19.5	18.5	19.0
20	11.0	10.0	10.5	15.0	12.0	13.5	16.0	15.0	15.5	19.5	19.0	19.0
21	11.5	9.5	10.5	12.0	11.0	11.5	17.5	15.0	16.5	19.0	18.5	19.0
22	10.0	9.0	9.5	12.5	10.5	11.5	18.0	17.0	17.5	20.5	19.0	19.5
23	10.5	9.0	9.5	14.5	11.5	13.0	17.0	15.0	16.0	21.0	20.0	20.5
24	10.5	9.5	10.0	13.5	12.5	13.0	16.5	14.0	15.5	21.5	19.5	20.5
25	10.5	8.5	9.5	13.0	12.0	12.5	17.5	15.0	16.5	21.5	20.5	21.0
26	11.0	8.5	9.5	14.0	11.5	12.5	17.0	16.0	16.5	22.0	21.0	21.0
27	10.0	9.0	9.5	14.5	12.5	13.5	18.0	16.5	17.0	22.0	21.5	21.5
28	8.5	7.0	7.5	14.0	13.0	13.5	18.5	17.5	18.0	22.5	21.0	21.5
29	6.5	6.0	6.0	14.0	12.0	13.0	18.5	17.5	17.5	22.5	20.5	21.0
30	---	---	---	14.5	11.5	13.0	19.5	17.5	18.5	20.0	18.5	19.0
31	---	---	---	13.0	11.5	12.5	---	---	---	20.5	17.5	18.5
MONTH	12.0	2.5	8.5	15.5	5.0	11.0				22.5	15.5	19.0

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

TEMPERATURE, WATER (DEG. C), AUGUST 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.5	18.0	19.5	25.5	23.5	24.5						
2	21.5	18.5	20.0	25.0	24.0	24.5						
3	22.5	19.5	21.0	26.0	24.0	24.5						
4	22.5	20.5	21.5	26.0	24.0	25.0						
5	23.5	21.0	22.0	25.5	24.5	25.0						
6	23.0	21.5	22.5	25.5	24.0	24.5						
7	23.5	22.0	22.5	25.5	24.5	25.0						
8	24.5	22.0	23.0	25.0	24.0	24.5						
9	24.5	22.0	23.5	---	---	---						
10	25.0	22.5	23.5	---	---	---						
11	26.0	23.5	24.5	---	---	---						
12	26.5	23.5	25.0	---	---	---						
13	27.0	24.5	25.5	---	---	---						
14	27.5	24.5	26.0	---	---	---						
15	27.5	25.5	26.5	---	---	---						
16	26.5	25.0	25.5	---	---	---						
17	26.5	24.0	25.0	---	---	---						
18	27.0	24.0	25.5	---	---	---						
19	27.5	25.0	26.0	---	---	---						
20	27.0	25.0	26.0	---	---	---						
21	26.5	25.5	26.0	---	---	---						
22	26.5	25.0	26.0	---	---	---						
23	26.5	25.0	25.5	---	---	---						
24	26.5	24.0	25.0	---	---	---						
25	26.5	24.5	25.5	---	---	---						
26	26.5	24.0	25.0	---	---	---						
27	27.0	24.0	25.5	---	---	---						
28	27.0	24.5	25.5	---	---	---						
29	26.5	24.0	25.0	---	---	---						
30	27.0	24.5	25.5	---	---	---						
31	---	---	---	---	---	---						
MONTH	27.5	18.0	24.5									

OXYGEN, DISSOLVED (DO), MG/L, SEPTEMBER 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1										---	---	---
2										---	---	---
3										---	---	---
4										---	---	---
5										---	---	---
6										---	---	---
7										---	---	---
8										---	---	---
9										---	---	---
10										---	---	---
11										---	---	---
12										---	---	---
13										---	---	---
14										---	---	---
15										---	---	---
16										---	---	---
17										---	---	---
18										---	---	---
19										---	---	---
20										---	---	---
21										---	---	---
22										---	---	---
23										---	---	---
24										---	---	---
25										---	---	---
26										8.6	8.2	8.4
27										8.6	8.1	8.4
28										8.5	8.1	8.3
29										8.4	7.9	8.2
30										8.3	7.9	8.1
31										---	---	---
MONTH												

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, SEPTEMBER 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.3	7.9	8.1	9.3	9.0	9.2				---	---	---
2	8.2	7.6	8.0	9.3	8.9	9.1				---	---	---
3	7.9	7.3	7.7	9.4	9.0	9.2				---	---	---
4	8.3	7.5	7.9	9.4	9.1	9.2				---	---	---
5	8.1	7.8	8.0	9.9	9.5	9.7				---	---	---
6	8.3	7.8	8.1	10.2	9.8	10.0				---	---	---
7	8.0	7.7	7.9	9.9	9.7	9.8				---	---	---
8	8.1	7.8	7.9	10.0	9.4	9.7				---	---	---
9	7.9	7.7	7.8	9.8	9.3	9.6				---	---	---
10	7.8	7.5	7.7	9.8	9.3	9.6				---	---	---
11	---	---	---	10.1	9.8	10.0				---	---	---
12	---	---	---	10.5	10.1	10.3				---	---	---
13	8.1	8.0	8.1	10.4	10.1	10.2				---	---	---
14	8.2	8.0	8.1	10.3	9.9	10.1				---	---	---
15	8.2	7.9	8.1	9.9	9.5	9.7				---	---	---
16	8.0	7.7	7.9	10.2	9.8	10.0				---	---	---
17	7.9	7.6	7.8	10.5	10.1	10.3				---	---	---
18	7.9	7.3	7.6	10.4	10.0	10.2				---	---	---
19	7.5	7.1	7.3	10.0	9.6	9.9				14.0	13.4	13.8
20	7.5	6.8	7.2	9.5	8.7	9.1				14.2	14.0	14.1
21	7.3	6.5	6.9	9.6	9.2	9.4				14.5	14.2	14.3
22	7.2	6.7	6.9	9.4	9.0	9.2				14.5	14.0	14.3
23	7.4	7.1	7.3	---	---	---				14.0	13.5	13.8
24	7.7	7.3	7.5	---	---	---				13.4	12.8	13.2
25	7.8	7.4	7.6	---	---	---				13.0	12.9	13.0
26	8.1	7.8	8.0	---	---	---				13.0	12.7	12.9
27	8.3	8.1	8.2	---	---	---				12.8	12.6	12.7
28	9.0	8.2	8.6	---	---	---				12.7	12.5	12.6
29	9.2	8.6	8.9	---	---	---				12.7	12.3	12.5
30	9.1	8.7	8.9	---	---	---				12.6	12.3	12.4
31	9.2	8.9	9.1	---	---	---				12.9	12.6	12.7
MONTH	9.2	6.5	7.9									

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	12.9	12.6	12.7	12.1	11.6	11.9	10.1	9.6	9.9	9.6	9.0	9.3
2	12.7	12.2	12.5	11.8	11.3	11.6	---	---	---	9.3	8.2	9.0
3	12.2	11.8	12.0	11.6	11.3	11.4	---	---	---	9.2	8.8	8.9
4	12.1	11.9	12.0	11.3	10.8	11.2	---	---	---	9.1	8.8	8.9
5	12.4	11.9	12.1	11.0	10.8	10.9	---	---	---	9.0	8.7	8.9
6	13.0	12.5	12.7	11.5	11.0	11.3	---	---	---	8.7	8.2	8.5
7	13.1	12.8	12.9	11.8	11.4	11.6	---	---	---	8.3	8.0	8.2
8	13.0	12.6	12.8	11.8	11.5	11.6	---	---	---	8.4	8.1	8.3
9	12.9	12.3	12.7	12.2	11.6	11.9	---	---	---	8.5	8.2	8.4
10	12.3	11.7	12.1	12.2	11.9	12.0	---	---	---	---	---	---
11	11.7	11.0	11.4	12.3	11.7	12.1	9.7	9.1	9.4	---	---	---
12	11.1	10.8	11.0	12.0	11.7	11.8	9.5	8.7	9.1	---	---	---
13	11.0	10.7	10.8	12.0	11.5	11.8	9.7	9.1	9.4	---	---	---
14	11.3	10.9	11.1	11.9	11.2	11.6	10.1	9.3	9.7	---	---	---
15	11.5	11.1	11.2	11.5	10.7	11.2	10.4	10.0	10.2	---	---	---
16	11.1	10.5	10.9	11.0	10.6	10.7	11.0	10.5	10.7	---	---	---
17	11.3	10.9	11.0	10.8	10.5	10.7	11.2	10.7	10.8	9.2	8.6	8.
18	11.2	10.7	11.0	10.9	10.3	10.7	11.1	9.9	10.7	8.7	7.6	8.
19	11.0	10.6	10.7	10.5	10.1	10.3	10.9	10.6	10.7	---	---	---
20	11.1	10.7	10.9	10.7	10.2	10.5	10.7	10.4	10.6	---	---	---
21	11.1	10.7	10.9	11.2	10.6	10.9	10.4	9.6	10.1	---	---	---
22	11.1	10.8	10.9	11.4	10.9	11.1	9.6	8.8	9.2	---	---	---
23	11.2	10.7	10.9	11.4	10.7	11.0	9.8	9.2	9.5	---	---	---
24	11.0	10.7	10.9	10.8	10.2	10.5	10.0	9.7	9.8	---	---	---
25	11.3	10.8	11.0	10.5	10.2	10.4	9.9	9.4	9.7	---	---	---
26	11.2	10.7	10.9	10.7	10.1	10.3	9.7	9.4	9.6	---	---	---
27	10.7	10.6	10.7	10.3	9.8	10.0	9.5	9.3	9.4	---	---	---
28	11.5	10.8	11.2	9.7	9.2	9.5	9.3	8.2	8.8	---	---	---
29	12.0	11.5	11.8	9.9	9.5	9.7	9.0	8.6	8.8	8.8	8.2	8.
30	---	---	---	10.2	9.7	9.9	9.4	9.1	9.3	9.2	8.8	9.
31	---	---	---	10.1	9.7	9.9	---	---	---	9.4	8.9	9.
MONTH	13.1	10.5	11.5	12.3	9.2	11.0						

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, SEPTEMBER 1983 TO JULY 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.3	8.7	9.0	8.0	7.7	7.9						
2	9.2	8.6	8.9	8.1	7.7	7.9						
3	9.0	8.4	8.8	8.0	7.5	7.7						
4	8.8	8.2	8.6	7.9	7.4	7.7						
5	8.7	8.2	8.5	8.1	7.5	7.8						
6	8.5	8.1	8.3	8.1	7.3	7.7						
7	8.3	8.0	8.2	8.1	7.3	7.7						
8	8.3	7.7	8.1	---	---	---						
9	8.2	7.6	8.0	---	---	---						
10	8.1	7.5	7.8	---	---	---						
11	7.9	7.4	7.7	---	---	---						
12	7.7	7.2	7.6	---	---	---						
13	8.3	7.3	7.6	---	---	---						
14	---	---	---	---	---	---						
15	---	---	---	---	---	---						
16	---	---	---	---	---	---						
17	---	---	---	---	---	---						
18	---	---	---	---	---	---						
19	---	---	---	---	---	---						
20	---	---	---	---	---	---						
21	---	---	---	---	---	---						
22	---	---	---	---	---	---						
23	---	---	---	---	---	---						
24	---	---	---	---	---	---						
25	---	---	---	---	---	---						
26	---	---	---	---	---	---						
27	---	---	---	---	---	---						
28	---	---	---	---	---	---						
29	7.9	7.3	7.6	---	---	---						
30	7.9	7.7	7.8	---	---	---						
31	---	---	---	---	---	---						
MONTH												

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW¼NE¼ sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi northwest of Fairview and 8.8 mi north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi2.

PERIOD OF RECORD.--June 1975 to current year.

REVISED RECORDS.--WDR MS-78-1: 1976(P), 1977(P).

GAGE.--Water-stage recorder. Altitude of gage is 313 ft from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 17.3 ft3/s, 21.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 760 ft3/s Dec. 3, 1983, maximum gage height, 9.50 ft Dec. 3, 1983; minimum discharge, 1.4 ft3/s Aug. 10, 1981, gage height, 3.69 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Nov. 23	1630	372	8.78	Apr. 28	1130	330	8.66
Dec. 3	1345	*760	9.50	May 3	0315	379	8.80
Dec. 6	0345	256	8.35	May 7	2145	631	9.31

Minimum discharge, 2.7 ft3/s Sept. 24, 25, gage height, 3.71 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	8.1	17	26	17	21	16	11	12	8.3	7.0	4.0
2	4.1	8.3	68	22	17	20	26	57	11	8.0	7.9	3.8
3	4.0	8.2	566	20	28	19	64	147	11	8.2	7.3	3.9
4	4.0	19	144	20	19	19	25	33	10	8.6	9.4	4.2
5	4.0	11	59	21	18	51	20	22	9.4	8.8	9.2	3.7
6	4.0	9.8	116	20	16	33	19	18	9.2	9.4	7.8	3.6
7	3.9	11	41	18	16	23	17	142	9.4	8.4	6.6	3.5
8	3.7	10	33	18	16	21	17	217	9.2	9.5	6.4	3.4
9	3.7	9.6	29	18	17	19	19	51	8.5	8.1	6.5	3.9
10	3.7	9.5	28	78	57	21	17	33	8.3	7.1	6.8	5.5
11	6.1	8.9	53	32	25	20	16	28	8.1	6.9	6.5	4.9
12	19	8.8	30	24	40	21	15	26	8.1	6.7	5.8	4.0
13	22	9.1	25	22	36	25	15	24	7.7	6.8	5.4	3.6
14	8.3	16	59	20	24	20	14	23	7.5	7.1	5.2	3.4
15	7.0	74	29	21	21	18	14	21	7.4	6.9	5.2	3.3
16	6.5	17	23	21	26	18	14	20	7.1	6.6	5.0	3.3
17	6.6	12	23	19	20	46	15	19	7.0	21	4.9	3.2
18	16	10	22	44	18	26	14	19	6.9	14	4.6	3.2
19	11	11	21	23	18	21	23	18	6.7	7.9	4.8	3.3
20	8.1	65	20	20	17	36	17	26	6.6	7.0	4.9	3.2
21	7.6	19	32	23	16	21	15	32	6.8	6.6	4.4	3.2
22	25	14	67	24	19	18	51	23	7.5	6.4	4.6	3.1
23	16	140	30	31	23	17	13	19	11	6.2	4.9	3.1
24	11	43	26	46	18	19	10	14	10	5.9	4.3	3.1
25	9.7	23	26	26	16	18	8.5	12	7.6	6.3	4.1	3.0
26	9.0	18	26	22	19	17	9.2	12	7.2	5.6	4.0	3.2
27	8.5	70	31	20	73	18	14	21	7.0	13	4.1	3.6
28	8.3	38	86	19	31	57	96	39	7.4	8.0	4.2	3.3
29	8.3	23	30	18	24	21	24	16	14	6.5	5.4	3.5
30	8.1	19	27	17	---	18	16	14	9.4	6.3	4.6	3.6
31	8.1	---	27	16	---	16	---	13	---	6.9	4.6	---
TOTAL	269.5	743.3	1814	769	705	738	653.7	1170	259.0	253.0	176.4	107.6
MEAN	8.69	24.8	58.5	24.8	24.3	23.8	21.8	37.7	8.63	8.16	5.69	3.59
MAX	25	140	566	78	73	57	96	217	14	21	9.4	5.5
MIN	3.7	8.1	17	16	16	16	8.5	11	6.6	5.6	4.0	3.0
CFSM	.78	2.23	5.27	2.23	2.19	2.14	1.96	3.40	.78	.74	.51	.32
IN.	.90	2.49	6.08	2.58	2.36	2.47	2.19	3.92	.87	.85	.59	.36

CAL YR 1983 TOTAL 9712.9 MEAN 26.6 MAX 566 MIN 3.7 CFSM 2.40 IN 32.55
WTR YR 1984 TOTAL 7658.5 MEAN 20.9 MAX 566 MIN 3.0 CFSM 1.88 IN 25.66

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS

LOCATION.--Lat 34°27'11", long 88°34'37", in SE¼ sec.21, T.7 S., R.7 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160101, on downstream side of bridge on county road, and 6.0 mi southeast of Baldwyn, and 6.0 mi east of Guntown.

DRAINAGE AREA.--131 mi2.

PERIOD OF RECORD.--October 1982 to Current year.

GAGE.--Water-stage recorder and sharp-crested weir since November, 1982. Datum of gage is 280.00 ft National Geodetic Vertical Datum of 1929. September 1964 to January 1975, discharge measurements only, and February 1975 to June 1977, discharge measurements and gage-height record only, in files of Corps of Engineers. July 1977 to September 1982, gage-height records only, in files of U.S. Geological Survey.

REMARKS.--Records poor. No gage height record Nov. 15 to Dec. 13.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,400 ft3/s May 19, 1983, gage height, 28.86 ft, from floodmark; minimum daily, 0.35 ft3/s Oct. 12, 1984, from hydrologic estimation based on rainfall records.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Dec. 4	Unknown	*24790	a27.16	Mar. 28	0145	7170	16.65
Jan. 10	1400	4950	15.03	Apr. 28	1130	18700	23.84
Feb. 27	0445	3800	14.20	May 8	0200	10900	19.18

Minimum daily discharge 0.35 ft3/s Oct. 12, from hydrologic estimation based on rainfall records.

a From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.54	2.8	205	185	48	102	92	103	23	7.1	4.3	1.8
2	.50	2.6	160	145	45	91	168	4200	18	4.8	3.6	1.3
3	.48	2.5	9000	120	112	79	768	700	16	3.9	3.3	1.3
4	.46	66	13000	101	85	84	460	196	15	3.1	3.7	1.3
5	.65	18	1250	93	58	746	210	128	13	2.7	8.5	1.7
6	.53	8.3	270	100	38	511	150	95	11	5.2	7.1	1.1
7	.46	6.1	165	92	34	189	115	1100	11	7.7	4.5	.85
8	.43	4.9	122	80	36	129	95	3860	11	6.0	3.3	.68
9	.39	4.2	93	77	38	95	450	700	10	6.8	2.8	.73
10	.37	80	75	1870	198	87	128	160	9.0	5.2	5.3	2.3
11	.36	20	1000	459	126	87	97	110	7.7	3.5	5.3	2.3
12	.35	9.6	150	179	257	91	79	82	7.2	3.0	3.6	2.2
13	20	7.6	55	137	490	282	72	64	6.5	3.5	2.2	2.1
14	8.3	6.0	1170	104	142	146	60	52	6.1	3.0	.74	2.0
15	5.5	5400	245	91	92	106	55	47	74	3.2	.64	1.6
16	4.2	650	132	94	107	95	54	45	18	3.0	8.6	1.3
17	3.4	250	114	77	86	1150	51	43	9.6	8.8	23	1.1
18	2.8	160	108	145	68	461	45	40	6.8	20	8.5	1.0
19	7.0	120	92	106	62	223	55	38	5.5	9.4	4.3	.80
20	3.5	5000	74	101	53	355	65	37	34	5.4	3.1	.72
21	2.3	650	94	99	48	163	69	42	33	3.9	2.5	.81
22	1.8	140	850	80	50	111	5800	39	12	3.0	2.5	.68
23	70	1050	194	294	56	91	850	35	55	2.4	2.4	.63
24	18	7000	120	1180	53	164	170	33	61	2.1	1.5	.65
25	8.8	840	82	359	47	168	115	27	13	2.1	1.1	.62
26	6.4	350	60	186	56	108	90	24	6.4	2.1	1.1	.61
27	5.4	320	92	147	1430	192	132	34	4.7	21	1.0	.63
28	4.5	700	4500	112	238	1960	5110	301	3.8	9.9	.99	.62
29	3.9	410	700	95	132	251	382	50	67	6.3	1.7	.58
30	3.4	270	370	79	---	141	321	32	13	6.7	1.7	.58
31	3.0	---	250	54	---	106	---	27	---	6.0	2.2	---
TOTAL	187.72	23548.6	34792	7041	4285	8564	16308	12444	581.3	180.8	125.07	34.59
MEAN	6.06	785	1122	227	148	276	544	401	19.4	5.83	4.03	1.15
MAX	70	7000	13000	1870	1430	1960	5800	4200	74	21	23	2.3
MIN	.35	2.5	55	54	34	79	45	24	3.8	2.1	.64	.58
CFSM	.05	5.99	8.57	1.73	1.13	2.11	4.15	3.06	.15	.05	.03	.009
IN.	.05	6.69	9.88	2.00	1.22	2.43	4.63	3.53	.17	.05	.04	.01

CAL YR 1983 TOTAL 148873.88 MEAN 408 MAX 13000 MIN .35 CFSM 3.12 IN 42.28
WTR YR 1984 TOTAL 108092.08 MEAN 295 MAX 13000 MIN .35 CFSM 2.25 IN 30.69

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in NE¼ sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at the downstream end of bridge on county road, 3.2 mi northeast of Fulton, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--19.1 mi2.

PERIOD OF RECORD.--July 1975 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 295 ft, from topographic map.

REMARKS.--Records good except those for period of no gage-height record, Dec. 1 to Dec. 12 which are poor.

AVERAGE DISCHARGE.--9 years, 34.9 ft^3/s, 24.81 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,570 ft^3/s Apr. 5, 1983, gage height, 11.03 ft; minimum, 3.1 ft^3/s Oct. 5, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown Dec. 3, gage height, unknown; minimum, 9.1 ft^3/s Sept. 28, 29, 30, minimum gage height, 4.29 ft, Sept. 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	18	35	44	29	41	28	96	31	17	16	12
2	14	18	34	46	29	37	47	289	30	17	17	12
3	14	18	1200	43	44	35	151	296	28	17	17	12
4	14	24	235	42	33	36	68	153	26	16	17	12
5	13	20	134	41	30	130	51	129	24	16	18	12
6	13	19	241	40	29	76	43	112	22	16	17	12
7	13	22	91	37	29	49	38	241	21	16	16	12
8	13	20	74	36	30	43	40	283	21	16	15	12
9	13	19	64	36	31	37	45	158	20	15	20	13
10	13	19	61	139	94	40	35	132	20	15	18	16
11	17	19	122	62	43	38	31	120	19	16	16	14
12	30	19	61	49	76	38	28	109	19	14	15	13
13	40	19	54	45	72	42	27	103	18	15	14	12
14	17	37	106	41	46	34	25	97	18	15	13	12
15	15	152	60	42	39	33	25	66	18	14	14	11
16	15	33	51	40	52	33	27	42	17	14	15	11
17	15	26	52	36	38	93	26	42	17	42	15	11
18	51	24	48	78	36	45	24	42	17	26	14	11
19	25	30	45	41	34	38	53	41	16	17	14	10
20	19	183	43	36	33	70	43	54	16	15	13	11
21	18	41	67	34	32	39	33	47	16	14	13	10
22	48	33	134	36	34	33	128	38	40	14	13	9.9
23	32	447	60	53	38	32	65	40	27	14	13	9.9
24	22	92	44	79	33	37	54	33	21	18	13	9.8
25	20	48	39	46	32	36	46	31	18	17	13	9.7
26	19	38	40	39	36	31	56	30	17	14	12	9.6
27	18	142	66	36	149	31	70	52	16	27	12	10
28	17	79	201	34	63	100	251	73	17	20	13	9.4
29	17	46	67	33	46	39	135	33	23	16	14	9.6
30	17	37	49	31	---	32	119	33	19	15	13	9.9
31	18	---	44	30	---	29	---	32	---	16	13	---
TOTAL	624	1742	3622	1425	1310	1427	1812	3047	632	534	456	338.8
MEAN	20.1	58.1	117	46.0	45.2	46.0	60.4	98.3	21.1	17.2	14.7	11.3
MAX	51	447	1200	139	149	130	251	296	40	42	20	16
MIN	13	18	34	30	29	29	24	30	16	14	12	9.4
CFSM	1.05	3.04	6.13	2.41	2.37	2.41	3.16	5.15	1.11	.90	.77	.59
IN.	1.22	3.39	7.05	2.78	2.55	2.78	3.53	5.93	1.23	1.04	.89	.66

CAL YR 1983 TOTAL 19694.0 MEAN 54.0 MAX 1200 MIN 11 CFSM 2.83 IN 38.35
WTR YR 1984 TOTAL 16969.8 MEAN 46.4 MAX 1200 MIN 9.4 CFSM 2.43 IN 33.05

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 mi west of Fulton, 6.2 mi upstream from Mantachie Creek Canal, 13.5 mi downstream from Twentymile Creek Canal, and at mile 421.7.

DRAINAGE AREA.--612 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at site 800 ft upstream 1909-12 are contained in reports of National Weather Service. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

REVISED RECORDS.--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--56 years, 971 ft^3/s, 21.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft^3/s Mar. 22, 1955, gage height, 25.75 ft, from rating curve extended above 48,000 ft^3/s on basis of estimate of flow made by indirect methods; minimum observed, 11 ft^3/s Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft^3/s Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft Aug. 12, 1930.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 4	Unknown	*38700	a22.75	May 8	1600	9150	17.97
May 3	1500	10700	18.26				

Minimum daily discharge, 32.0 ft^3/s, Sept. 28.

a From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	172	897	1270	683	1630	1140	3620	424	160	104	55
2	125	161	1120	1260	627	1280	960	3390	352	135	99	55
3	127	155	6160	1040	628	1050	1780	9470	295	118	97	62
4	122	159	35100	927	726	903	2270	8930	260	109	103	69
5	115	172	24000	860	713	1080	1920	5890	237	106	108	66
6	103	175	8420	813	668	1600	1560	3480	222	105	125	66
7	101	183	4410	772	599	1700	1200	2520	199	109	122	61
8	103	174	2820	712	546	1490	1000	7680	191	120	107	55
9	106	161	2240	656	517	1220	919	8340	185	128	96	51
10	99	164	1680	939	717	1020	904	5420	174	116	90	50
11	96	156	1500	1390	1010	910	803	3210	158	103	87	60
12	115	153	1610	1670	1030	833	735	2150	122	95	93	71
13	207	159	1480	1700	1410	845	662	1460	117	90	96	64
14	289	170	1740	1540	1590	958	609	1100	117	114	88	55
15	276	502	1940	1150	1420	909	555	902	119	96	95	51
16	258	650	1430	969	1220	874	515	747	188	98	89	51
17	237	525	1290	860	1080	1020	495	631	159	91	84	53
18	264	436	1140	911	950	1680	471	541	143	174	105	54
19	302	259	956	948	863	1630	478	476	143	227	86	54
20	265	284	812	828	783	1550	540	429	143	157	74	62
21	244	462	741	727	710	1500	565	446	151	112	68	55
22	253	604	1120	659	646	1310	3810	466	156	107	65	45
23	327	1130	1030	635	626	1130	4550	458	163	94	66	43
24	330	5450	921	1300	624	973	3380	451	223	87	64	42
25	321	3620	889	1810	612	974	2440	409	236	90	59	41
26	297	2830	870	1720	591	925	1680	360	167	89	58	35
27	275	2220	731	1460	1360	884	1310	357	136	88	57	36
28	258	1930	1100	1170	2020	1950	3080	758	124	124	56	36
29	240	1410	951	990	1890	2280	6360	859	204	141	57	40
30	212	1090	883	861	---	1860	5330	698	231	121	59	39
31	189	---	1050	763	---	1480	---	547	---	112	60	---
TOTAL	6389	25716	111031	33310	26859	39448	52021	76195	5739	3616	2617	1577
MEAN	206	857	3582	1075	926	1273	1734	2458	191	117	84.4	52.6
MAX	330	5450	35100	1810	2020	2280	6360	9470	424	227	125	71
MIN	96	153	731	635	517	833	471	357	117	87	56	35
CFSM	.34	1.40	5.85	1.76	1.51	2.08	2.83	4.02	.31	.19	.14	.09
IN.	.39	1.56	6.75	2.02	1.63	2.40	3.16	4.63	.35	.22	.16	.10

CAL YR 1983 TOTAL 686277 MEAN 1880 MAX 43300 MIN 56 CFSM 3.07 IN 41.71
WTR YR 1984 TOTAL 384518 MEAN 1051 MAX 35100 MIN 35 CFSM 1.72 IN 23.37

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.64	7.09	11.93	13.55	11.18	14.44	13.03	16.65	9.37	6.97	6.27	5.50
2	6.54	6.97	12.94	13.70	10.85	13.52	12.23	16.36	8.85	6.66	6.20	5.50
3	6.57	6.90	17.35	12.99	10.84	12.66	14.45	18.02	8.39	6.46	6.18	5.62
4	6.51	6.95	22.22	12.56	11.38	11.99	15.56	17.92	8.09	6.34	6.25	5.74
5	6.42	7.09	20.49	12.28	11.30	12.75	15.04	17.29	7.88	6.29	6.32	5.69
6	6.26	7.12	17.82	12.09	11.04	14.36	14.27	16.58	7.73	6.28	6.55	5.68
7	6.23	7.21	16.97	11.89	10.64	14.61	13.25	15.85	7.50	6.34	6.50	5.60
8	6.25	7.11	16.16	11.57	10.31	14.09	12.42	17.65	7.41	6.48	6.31	5.49
9	6.29	6.97	15.55	11.26	10.12	13.32	12.04	17.80	7.34	6.58	6.16	5.41
10	6.20	7.00	14.57	12.48	11.23	12.53	11.96	17.19	7.22	6.43	6.07	5.40
11	6.15	6.91	14.13	13.77	12.66	11.99	11.46	16.42	7.04	6.26	6.02	5.59
12	6.42	6.88	14.41	14.31	12.73	11.62	11.11	15.37	6.51	6.15	6.11	5.77
13	7.44	6.95	14.08	14.59	13.96	11.67	10.71	14.08	6.44	6.07	6.16	5.66
14	8.20	7.07	14.68	14.35	14.39	12.22	10.40	13.00	6.44	6.39	6.04	5.49
15	8.08	9.67	15.07	13.36	13.98	11.99	10.08	12.15	6.47	6.14	6.14	5.42
16	7.92	10.63	14.10	12.67	13.41	11.82	9.83	11.38	7.34	6.18	6.06	5.41
17	7.74	9.89	13.79	12.22	12.90	12.47	9.70	10.74	7.02	6.08	5.97	5.45
18	7.96	9.31	13.34	12.42	12.35	14.53	9.55	10.20	6.83	7.08	6.28	5.47
19	8.30	7.94	12.67	12.57	11.94	14.45	9.59	9.79	6.83	7.64	6.00	5.48
20	7.99	8.15	12.07	12.06	11.52	14.26	9.98	9.47	6.82	6.93	5.82	5.62
21	7.80	9.48	11.72	11.53	11.12	14.14	10.14	9.58	6.90	6.36	5.73	5.49
22	7.87	10.37	13.26	11.15	10.76	13.61	15.19	9.72	6.96	6.30	5.67	5.30
23	8.50	13.00	12.96	11.00	10.63	12.98	17.00	9.66	7.04	6.12	5.69	5.25
24	8.53	17.20	12.53	13.51	10.61	12.29	16.55	9.61	7.61	6.02	5.65	5.24
25	8.46	16.68	12.40	14.84	10.53	12.30	15.76	9.31	7.75	6.07	5.57	5.21
26	8.26	16.17	12.32	14.69	10.40	12.06	14.53	8.95	7.06	6.06	5.54	5.08
27	8.07	15.53	11.67	14.15	13.36	11.87	13.61	8.91	6.68	6.04	5.52	5.09
28	7.93	15.06	13.17	13.36	15.21	14.44	15.05	11.37	6.53	6.53	5.51	5.10
29	7.76	13.90	12.65	12.67	14.97	15.56	17.39	11.91	7.42	6.74	5.52	5.19
30	7.50	12.83	12.37	12.12	---	14.92	17.18	11.07	7.68	6.49	5.57	5.16
31	7.27	---	12.92	11.62	---	14.07	---	10.18	---	6.37	5.58	---
TOTAL	228.06	294.03	442.31	397.33	346.32	409.53	389.06	404.18	219.15	198.85	184.96	163.10
MEAN	7.36	9.80	14.27	12.82	11.94	13.21	12.97	13.04	7.31	6.41	5.97	5.44
MAX	8.53	17.20	22.22	14.84	15.21	15.56	17.39	18.02	9.37	7.64	6.55	5.77
MIN	6.15	6.88	11.67	11.00	10.12	11.62	9.55	8.91	6.44	6.02	5.51	5.08

WTR YR 1984 TOTAL 3676.88 MEAN 10.05 MAX 22.22 MIN 5.08

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV										
28...	1300	2370	98	7.9	12.5	100	7.8	74	2.9	960
MAR										
12...	1330	828	86	5.4	10.0	16	9.9	88	2.1	180
JUN										
26...	0830	172	93	6.5	25.5	35	6.8	83	2.4	640
AUG										
28...	0740	66	83	6.6	25.5	30	9.1	112	1.6	K4100

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
28...	33	.15	.050	.20	.160	.74	.90	1.1	.240	.050
MAR										
12...	25	--	.010	<.10	.020	.48	.50	--	.040	<.010
JUN										
26...	29	.08	.020	.10	.060	.34	.40	.50	.020	<.010
AUG										
28...	26	--	.010	<.10	.070	.53	.60	--	.030	.010

MOBILE RIVER BASIN

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on U.S. Highway 78, 0.7 mi northwest of Tremont, 1.5 mi upstream from Johns Creek, 1.5 mi upstream from Cypress Creek, 3.2 mi upstream from Chubby Creek, 8.0 mi southeast of Fulton, and 27.2 mi upstream from the mouth.

DRAINAGE AREA.--136 mi2.

PERIOD OF RECORD.--October 1943 to September 1964; October 1973 to current year (low-water records only).

GAGE.--Water-stage recorder. Datum of gage is 317.39 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Records poor. No gage-height record for June 13 to July 25. Discharges over 200 ft3/s not determined.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft3/s, 21.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.06 ft Apr. 6, 1983 (discharge not determined); minimum discharge, 4.6 ft3/s Sept. 13, 1954, gage height, 1.62 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1973 reached a stage of 13.1 ft from floodmark by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height and discharge not determined; minimum discharge, 11 ft3/s, part of each day, Sept. 17-20; minimum gage height, 2.29 ft, Sept. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	36	---	---	163	---	---	---	92	45	36	20
2	20	36	---	---	158	---	---	---	86	41	36	18
3	19	36	---	---	166	---	---	---	80	38	42	16
4	18	39	---	---	175	---	---	---	74	36	40	15
5	18	50	---	---	158	---	---	---	69	34	91	16
6	19	48	---	195	148	---	---	---	65	34	73	15
7	18	43	---	185	140	---	---	---	62	37	56	14
8	18	44	---	174	136	---	---	---	61	41	46	13
9	18	44	---	167	134	---	---	---	57	38	39	13
10	18	44	---	---	192	---	---	---	52	36	38	13
11	19	44	---	---	---	---	---	---	49	35	38	18
12	32	44	---	---	196	---	193	---	52	33	43	20
13	58	42	---	---	---	---	177	---	48	39	35	17
14	68	42	---	---	---	---	167	---	46	37	30	15
15	41	111	---	---	---	199	158	185	44	40	28	13
16	34	111	---	199	---	188	151	165	43	37	28	13
17	32	44	---	188	---	---	146	152	42	35	53	12
18	33	32	---	---	195	---	144	140	41	40	55	12
19	52	28	---	---	184	---	167	131	41	117	34	12
20	46	70	193	---	173	---	---	126	40	52	32	11
21	39	98	186	---	163	---	193	144	39	47	29	12
22	38	24	---	193	158	---	---	137	39	43	25	13
23	38	20	---	192	190	200	---	122	43	40	23	13
24	47	---	---	---	180	180	---	119	46	43	24	13
25	42	---	---	---	166	180	181	107	48	54	21	14
26	40	---	---	---	157	192	152	100	43	44	19	14
27	39	---	---	---	---	178	143	103	40	35	18	13
28	38	---	---	---	---	---	---	---	38	73	18	13
29	38	---	---	198	---	---	---	160	40	53	19	14
30	37	---	---	185	---	---	---	116	43	36	20	16
31	37	---	---	171	---	---	---	102	---	35	20	---
TOTAL	1034	---	---	---	---	---	---	---	1563	1348	1109	431
MEAN	33.4	---	---	---	---	---	---	---	52.1	43.5	35.8	14.4
MAX	68	---	---	---	---	---	---	---	92	117	91	20
MIN	18	---	---	---	---	---	---	---	38	33	18	11
CFSM	.25	---	---	---	---	---	---	---	.38	.32	.26	.11
IN.	.28	---	---	---	---	---	---	---	.43	.37	.30	.12

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on right bank at downstream side of old crossing 200 ft upstream from bridge on State Highway 25, 0.8 mi upstream from Mississippian Railway bridge, 1.1 mi north of Smithville, and 3.5 mi upstream from mouth.

DRAINAGE AREA.--336 mi2.

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--44 years, 574 ft3/s, 23.21 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft3/s Mar. 16, 1973, gage height, 18.26 ft; minimum, 19 ft3/s Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), and Sept. 10, 13, 14, 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1926 reached a stage of 15.7 ft, from floodmark, discharge about 29,000 ft3/s, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Dec. 4	1400	*18500	14.62	May 4	0715	11500	13.15
Apr. 30	0400	5620	11.34	May 9	0230	9450	12.62

Minimum daily discharge, 56 ft3/s Sept. 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	115	1040	1320	541	1550	720	2720	330	137	111	87
2	92	113	667	1120	516	994	660	1740	298	124	111	82
3	91	113	4240	1010	520	820	1790	2590	273	117	113	84
4	89	115	13600	890	566	730	2120	9400	254	113	119	99
5	88	120	5220	810	561	1150	2370	2760	236	111	125	90
6	87	145	1640	745	496	1500	2090	1380	218	110	163	94
7	87	145	1270	665	459	1770	1220	1170	202	112	147	80
8	87	134	1400	585	435	1580	919	2540	193	146	129	74
9	84	134	1230	520	425	1080	822	5790	186	117	121	72
10	84	132	1030	1300	470	869	773	2030	176	112	116	80
11	86	128	929	3500	748	783	700	1420	166	106	113	96
12	91	126	952	1950	854	742	631	994	159	101	113	110
13	119	124	1020	1300	1030	705	597	680	157	131	113	99
14	206	124	1240	980	1170	685	551	492	152	119	109	83
15	191	270	1130	850	1060	640	515	393	146	128	103	74
16	133	667	931	790	856	596	491	339	139	116	101	68
17	115	628	732	730	836	670	482	328	136	111	102	66
18	110	301	562	1550	779	876	472	409	130	130	114	64
19	121	234	483	1870	675	875	528	419	125	362	126	62
20	167	679	480	1170	620	828	660	398	123	188	107	61
21	142	936	618	910	574	876	618	445	119	132	104	60
22	129	1040	1330	790	542	812	1130	495	131	115	100	60
23	150	995	1600	915	542	692	1210	439	142	107	98	62
24	205	1570	1980	1820	630	633	1230	394	145	103	109	62
25	202	1680	1410	1900	587	635	819	369	143	103	120	60
26	165	2610	1280	1300	535	666	640	330	139	138	103	58
27	138	2050	1250	1020	1170	618	656	484	123	124	96	58
28	126	1660	3050	815	1410	768	1540	1360	115	122	88	56
29	121	1700	3840	715	1770	1030	2680	846	129	153	87	56
30	118	1820	2620	648	---	1180	4810	524	127	133	86	56
31	116	---	1900	587	---	881	---	379	---	114	96	---
TOTAL	3833	20608	60674	35075	21377	28234	34444	44057	5112	4035	3443	2213
MEAN	124	687	1957	1131	737	911	1148	1421	170	130	111	73.8
MAX	206	2610	13600	3500	1770	1770	4810	9400	330	362	163	110
MIN	84	113	480	520	425	596	472	328	115	101	86	56
CFSM	.37	2.05	5.82	3.37	2.19	2.71	3.42	4.23	.51	.39	.33	.22
IN.	.42	2.28	6.72	3.88	2.37	3.13	3.81	4.88	.57	.45	.38	.25

CAL YR 1983 TOTAL 376015 MEAN 1030 MAX 22500 MIN 70 CFSM 3.07 IN 41.63
WTR YR 1984 TOTAL 263105 MEAN 719 MAX 13600 MIN 56 CFSM 2.14 IN 29.13

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi upstream from St. Louis-San Francisco Railway bridge, 0.5 mi southeast of Bigbee, 2.4 mi northwest of Amory, 3.7 mi upstream from Town Creek, and at mile 383.1.

DRAINAGE AREA.--1,226 mi2.

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

REVISED RECORDS.--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (station 02437000), 4.0 mi downstream, used as an auxiliary gage for this station.

REMARKS.--Records good. Some regulation at low flow by Tennessee-Tombigbee Waterway construction upstream.

AVERAGE DISCHARGE.--31 years, 2,157 ft3/s, 23.89 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft3/s Mar. 17, 1973, gage height, 27.64 ft minimum, 29 ft^3/s Sept. 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 was the highest since at least 1890. The flood of Mar. 23, 1955, reached a stage of 26.2 ft, from floodmark, discharge, 73,000 ft^3/s. Flood of December 1926 reached a stage of 24.2 ft from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 5	1030	*66500	24.23	May 5	0345	27300	19.18
Apr. 30	2245	12400	14.61	May 9	1900	27700	19.83

Minumum discharge, 58 ft^3/s Sept. 30, gage height, 2.33 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	295	347	3720	7260	2100	3920	2580	11600	1570	429	252	174
2	275	327	2610	5290	1960	3170	2210	9900	1090	337	249	154
3	258	316	8860	4360	1900	2540	4030	10600	857	295	252	129
4	264	318	29500	2960	1970	2190	5590	19700	739	271	264	200
5	241	327	60400	2590	2000	2870	5250	24500	657	254	291	165
6	225	348	41000	2350	1890	3870	4980	14500	600	250	329	98
7	211	378	19700	2410	1780	3700	3800	9640	554	249	364	84
8	205	375	12000	2260	1690	3680	2710	12300	508	292	324	76
9	205	370	8770	2130	1630	3080	2190	23900	479	292	293	73
10	205	345	6620	2570	1650	2480	2040	20600	464	278	307	309
11	212	336	5350	4470	1950	2150	1880	13600	423	267	290	169
12	233	327	5240	4380	2110	2010	1710	9710	414	237	280	157
13	322	320	4870	4740	3060	1900	1580	7090	360	327	267	156
14	435	330	5110	4120	3110	1840	1460	4770	338	281	259	252
15	548	813	5830	3360	3080	1800	1360	3190	329	280	234	123
16	467	1120	5400	2760	2730	1750	1300	2440	319	307	230	74
17	416	1170	5040	2370	2530	1950	1260	1820	374	310	227	106
18	392	873	3990	2550	2260	2170	1220	1700	348	285	215	93
19	461	731	3360	2840	2170	2420	1310	1910	321	590	288	89
20	507	1930	3160	2580	2150	2770	1560	1280	316	656	251	94
21	470	2410	2710	2230	1950	2840	1540	1770	310	392	216	82
22	448	2450	3750	2290	1790	2640	2500	1480	313	301	214	82
23	536	2800	4900	2150	1710	2310	4410	1390	376	259	213	79
24	582	5780	4610	2780	1720	2180	5400	1250	395	232	262	63
25	577	5400	4220	3240	1700	1990	5860	1190	435	224	254	70
26	517	6360	3750	3450	1610	1920	4680	1060	448	257	230	91
27	473	7200	3700	3280	2960	1830	4140	1230	343	281	208	256
28	440	6860	5530	2810	3750	2080	4940	4560	290	277	187	233
29	418	5570	7100	2400	3870	2720	8050	3190	293	318	252	75
30	397	4780	6340	2170	---	3430	10900	2340	389	348	181	61
31	371	---	7070	2310	---	3210	---	2120	---	284	179	---
TOTAL	11606	61011	294210	97460	64780	79410	102440	226330	14652	9660	7862	3867
MEAN	374	2034	9491	3144	2234	2562	3415	7301	488	312	254	129
MAX	582	7200	60400	7260	3870	3920	10900	24500	1570	656	364	309
MIN	205	316	2610	2130	1610	1750	1220	1060	290	224	179	61
CFSM	.31	1.66	7.74	2.56	1.82	2.09	2.79	5.96	.40	.25	.21	.11
IN.	.35	1.85	8.93	2.96	1.97	2.41	3.11	6.87	.44	.29	.24	.12

CAL YR 1983 TOTAL 1509084 MEAN 4134 MAX 61600 MIN 186 CFSM 3.37 IN 45.79
WTR YR 1984 TOTAL 973288 MEAN 2659 MAX 60400 MIN 61 CFSM 2.17 IN 29.53

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft upstream from Kings Creek, 0.2 mi downstream from Mud Creek; 0.4 mi downstream from St. Louis and San Francisco Railroad, 2.0 mi upstream from Tulip Creek, and 22.8 mi upstream from mouth.

DRAINAGE AREA.--233 mi^2, includes that of Kings Creek.

PERIOD OF RECORD.--October 1970 to current year. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WDR MS 80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Discharge includes flow of Kings Creek.

AVERAGE DISCHARGE.--14 years, 489 ft^3/s, 28.50 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,100 ft^3/s May 19, 1984, gage height, 27.39 ft; minimum, 1.2 ft^3/s Aug. 28, 1984, gage height, 2.47 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 4	0100	*24800	27.18	May 8	0900	13990	25.06
Apr. 22	1330	9570	23.60				

Minimum discharge, 1.2 ft^3/s Aug. 28, gage height, 2.47 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	6.2	161	281	195	337	251	489	30	11	6.5	2.1
2	4.0	6.3	789	234	189	316	288	3130	26	8.1	8.0	1.9
3	3.8	5.8	16700	212	233	308	2670	5870	23	6.6	5.7	2.9
4	3.5	10	16100	197	240	294	689	2250	20	5.7	12	4.6
5	3.3	10	3700	186	207	1330	416	1440	18	6.5	10	8.4
6	3.1	9.3	3370	190	199	960	311	1110	16	6.5	12	8.8
7	3.0	9.7	1630	177	182	593	266	2700	17	6.8	6.6	8.6
8	2.9	8.8	1200	152	175	426	251	10300	17	47	4.9	8.6
9	2.6	8.7	955	145	174	348	269	2670	15	18	4.2	14
10	3.3	7.6	790	2480	541	324	258	1370	15	8.8	5.4	13
11	3.6	7.0	1930	1000	315	306	236	758	13	5.9	5.6	16
12	41	6.6	823	418	450	282	217	567	13	6.0	5.7	14
13	59	8.1	510	312	943	393	209	455	10	19	3.9	13
14	23	52	1630	248	406	336	201	366	9.7	8.8	4.5	13
15	11	341	593	221	324	259	192	282	175	9.0	3.9	13
16	8.0	76	401	217	334	241	183	233	65	6.7	2.8	17
17	6.5	27	343	192	323	623	180	199	24	7.0	3.1	17
18	95	16	299	325	282	624	173	168	17	14	8.6	18
19	22	37	220	228	271	393	198	145	13	11	6.6	18
20	13	1380	174	161	263	400	185	122	12	6.6	5.8	18
21	8.8	299	411	147	260	301	176	100	14	4.8	3.8	17
22	28	197	2100	142	264	260	6400	76	13	4.0	27	17
23	34	4600	441	240	266	238	1590	83	11	3.5	5.3	16
24	20	1860	218	1650	261	272	768	66	12	9.7	3.6	16
25	13	546	156	668	254	482	566	48	18	6.3	3.3	16
26	9.8	402	184	411	276	276	459	41	12	2.6	2.6	16
27	9.0	794	260	323	1960	248	437	97	9.5	15	1.9	17
28	7.9	696	4560	273	610	1780	3410	289	7.8	7.0	2.0	17
29	7.2	351	919	251	412	580	1290	66	7.7	5.8	4.8	17
30	6.9	236	474	232	---	362	738	38	11	7.6	3.8	18
31	6.2	---	371	202	---	277	---	34	---	9.8	2.7	---
TOTAL	466.9	12014.1	62412	12115	10809	14169	23477	35562	664.7	295.1	186.6	396.9
MEAN	15.1	400	2013	391	373	457	783	1147	22.2	9.52	6.02	13.2
MAX	95	4600	16700	2480	1960	1780	6400	10300	175	47	27	18
MIN	2.6	5.8	156	142	174	238	173	34	7.7	2.6	1.9	1.9
CFSM	.07	1.72	8.64	1.68	1.60	1.96	3.36	4.92	.10	.04	.03	.06
IN.	.07	1.92	9.96	1.93	1.73	2.26	3.75	5.68	.11	.05	.03	.06

CAL YR 1983 TOTAL 295990.4 MEAN 811 MAX 18000 MIN 2.1 CFSM 3.48 IN 47.26
WTR YR 1984 TOTAL 172568.3 MEAN 471 MAX 16700 MIN 1.9 CFSM 2.02 IN 27.55

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.58	2.65	3.49	3.96	3.41	3.74	3.61	4.96	2.96	2.71	2.64	2.53
2	2.57	2.65	5.85	3.77	3.38	3.61	3.80	11.91	2.92	2.66	2.67	2.52
3	2.57	2.64	24.90	3.68	3.54	3.56	12.15	20.44	2.90	2.63	2.62	2.55
4	2.56	2.71	25.49	3.64	3.55	3.50	5.80	11.51	2.87	2.62	2.69	2.59
5	2.55	2.72	16.36	3.60	3.41	8.33	4.42	9.09	2.85	2.63	2.70	2.69
6	2.54	2.70	14.20	3.61	3.38	7.04	3.86	8.00	2.83	2.63	2.73	2.69
7	2.54	2.71	9.62	3.57	3.31	5.03	3.67	9.84	2.83	2.63	2.64	2.69
8	2.54	2.70	8.35	3.49	3.28	4.22	3.61	24.11	2.83	2.98	2.61	2.69
9	2.54	2.70	7.30	3.46	3.27	3.83	3.70	13.08	2.81	2.78	2.59	2.75
10	2.56	2.68	6.48	11.05	5.02	3.74	3.65	8.69	2.81	2.67	2.61	2.75
11	2.57	2.67	10.34	7.25	3.81	3.70	3.58	6.31	2.78	2.62	2.62	2.79
12	2.89	2.66	6.64	4.65	4.53	3.64	3.50	5.40	2.77	2.61	2.62	2.77
13	3.06	2.69	5.15	4.07	6.91	4.25	3.48	4.85	2.74	2.78	2.58	2.76
14	2.84	2.89	9.47	3.79	4.27	3.99	3.46	4.36	2.73	2.67	2.58	2.76
15	2.72	4.27	5.54	3.67	3.81	3.68	3.43	3.95	3.52	2.68	2.58	2.76
16	2.67	3.15	4.57	3.64	3.85	3.64	3.41	3.76	3.11	2.64	2.54	2.81
17	2.64	2.89	4.25	3.54	3.79	5.54	3.40	3.63	2.88	2.64	2.55	2.81
18	3.14	2.80	4.02	4.11	3.59	5.56	3.39	---	2.81	2.75	2.68	2.82
19	2.84	2.88	3.71	3.66	3.54	4.37	3.47	---	2.77	2.71	2.64	2.82
20	2.74	8.48	3.54	3.41	3.50	4.40	3.44	---	2.75	2.64	2.63	2.82
21	2.68	4.02	4.50	3.35	3.47	3.87	3.41	---	2.77	2.60	2.58	2.81
22	2.86	3.64	10.93	3.33	3.48	3.69	20.25	3.22	2.76	2.58	2.74	2.81
23	2.93	15.65	4.77	3.77	3.48	3.60	9.59	3.24	2.73	2.57	2.61	2.81
24	2.82	10.24	3.71	9.58	3.45	3.76	6.29	3.16	2.75	2.63	2.58	2.81
25	2.75	5.30	3.49	5.79	3.41	4.79	5.31	3.08	2.81	2.63	2.57	2.81
26	2.71	4.55	3.59	4.48	3.52	3.74	4.77	3.04	2.73	2.53	2.55	2.81
27	2.70	6.43	3.98	3.99	10.34	3.62	4.67	3.29	2.69	2.70	2.52	2.82
28	2.68	6.01	17.08	3.75	5.19	9.87	13.29	4.09	2.67	2.65	2.52	2.82
29	2.66	4.27	6.97	3.65	4.16	5.29	8.46	3.15	2.66	2.63	2.61	2.82
30	2.66	3.75	4.97	3.57	---	4.14	6.17	3.02	2.72	2.65	2.58	2.83
31	2.65	---	4.41	3.44	---	3.72	---	2.99	---	2.70	2.55	---
TOTAL	83.76	126.10	247.67	134.32	117.65	139.46	165.04	---	84.76	82.55	80.93	82.52
MEAN	2.70	4.20	7.99	4.33	4.06	4.50	5.50	---	2.83	2.66	2.61	2.75
MAX	3.14	15.65	25.49	11.05	10.34	9.87	20.25	---	3.52	2.98	2.74	2.83
MIN	2.54	2.64	3.49	3.33	3.27	3.50	3.39	---	2.66	2.53	2.52	2.52

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 mi downstream from Chiwapa Creek (revised), 2.1 mi south of Nettleton, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--620 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft higher.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--45 years, 979 ft^3/s, 21.44 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft^3/s Mar. 22, 1955, gage height, 33.88 ft; minimum, 0.8 ft^3/s Sept. 14, 15, 1942.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft, present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 23	1615	18900	25.57	Jan. 10	1200	15000	22.48
Dec. 3	0945	*50000	30.23	Apr. 28	1115	19600	24.17
Dec. 6	0645	20500	25.41	May 3	0545	22000	26.09
Dec. 22	0300	17300	23.77	May 8	1030	28500	27.68

Minimum daily discharge, 19 ft^3/s Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	46	368	3000	314	688	564	1750	340	33	36	24
2	23	44	1510	1500	277	564	743	7900	270	29	34	22
3	20	42	37300	485	294	495	9000	19900	230	28	37	26
4	21	40	33400	452	316	456	3000	10000	178	26	46	30
5	20	80	16400	423	230	5480	1100	5600	150	24	79	28
6	22	78	14500	433	178	2800	860	3800	134	141	58	28
7	22	60	4970	386	162	1430	730	3400	102	72	54	28
8	21	54	3930	332	157	986	645	24000	96	51	39	27
9	20	80	2240	320	154	720	1150	11700	88	43	34	26
10	19	60	1870	8040	2050	623	780	3410	81	34	32	42
11	21	56	5520	3400	1100	614	590	2850	71	33	35	115
12	48	54	2470	1110	1520	566	470	2100	65	137	33	64
13	132	50	1340	762	3260	723	420	1700	64	64	31	44
14	410	60	2410	527	1020	686	385	1400	59	34	30	36
15	150	1830	1570	478	586	514	360	1420	158	29	32	31
16	70	363	924	442	787	464	375	1030	150	43	33	32
17	52	163	720	377	591	2090	338	920	75	73	32	33
18	110	120	586	2060	412	1610	325	840	60	46	27	33
19	80	124	480	677	339	1010	1400	750	52	38	28	33
20	60	3660	472	640	283	1190	960	695	48	32	27	33
21	50	837	652	360	250	735	2500	990	64	29	26	33
22	70	379	10300	303	220	548	1640	700	103	26	55	31
23	50	8650	2010	628	190	478	5200	578	82	25	115	32
24	150	5680	900	4920	170	480	3200	480	70	25	35	31
25	220	1500	1100	1810	164	992	1850	425	61	40	27	32
26	120	927	1360	960	160	571	1610	400	51	23	24	32
27	80	1570	1370	670	5850	482	1790	500	45	57	23	32
28	58	2040	4000	489	1560	3610	9570	2680	38	46	22	35
29	54	834	20500	405	941	1520	4940	1500	31	31	26	36
30	50	547	15000	342	---	921	2750	840	32	27	28	33
31	48	---	6000	317	---	672	---	520	---	48	25	---
TOTAL	2296	30028	196172	37048	23535	34718	59245	114778	3048	1387	1163	1062
MEAN	74.1	1001	6328	1195	812	1120	1975	3703	102	44.7	37.5	35.4
MAX	410	8650	37300	8040	5850	5480	9570	24000	340	141	115	115
MIN	19	40	368	303	154	456	325	400	31	23	22	22
CFSM	.12	1.62	10.2	1.93	1.31	1.81	3.19	5.97	.17	.07	.06	.06
IN.	.14	1.80	11.77	2.22	1.41	2.08	3.55	6.89	.18	.08	.07	.06

CAL YR 1983 TOTAL 773076 MEAN 2118 MAX 37300 MIN 17 CFSM 3.42 IN 46.38
WTR YR 1984 TOTAL 504480 MEAN 1378 MAX 37300 MIN 19 CFSM 2.22 IN 30.27

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1968, 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV										
28...	1500	1400	156	8.0	12.0	95	9.0	82	3.8	>1200
MAR										
12...	1515	509	70	6.6	12.0	19	9.2	86	2.0	720
AUG										
28...	0855	21	478	7.9	26.5	12	11.4	143	5.2	K160

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
28...	60	.23	.070	.30	.170	.83	1.0	1.3	.300	.110
MAR										
12...	99	.09	.010	.10	.100	.50	.60	.70	.080	.030
AUG										
28...	131	2.0	.090	2.1	<.010	--	1.1	3.2	.710	.580

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
27...	1035	69	37	--
NOV				
23...	0930	2600	1290	--
23...	1145	3780	1690	--
23...	1400	13600	2830	--
23...	1745	20400	1700	65
23...	2330	17700	1220	--
24...	0945	10400	535	--
DEC				
14...	1450	4810	558	--
JAN				
24...	1445	4420	1360	--
MAR				
13...	1300	631	154	--
APR				
24...	1145	1790	797	--
JUN				
12...	1630	68	57	--
AUG				
03...	1100	39	78	--
SEP				
04...	1330	29	77	--

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi downstream from Town Creek, 3.5 mi west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,928 mi2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (station 02437500), 20 mi downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records fair, except for periods of low water, which are poor.

AVERAGE DISCHARGE.--47 years, 3,156 ft3/s, 22.22 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft3/s Mar. 17, 1973, gage height, 34.65 ft; minimum discharge, 45 ft3/s Sept. 20, 1954; minimum gage height, 0.77 ft Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft and the flood of Dececember 1926 reached a stage of 31.5 ft, from Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 24	0815	15700	22.00	Apr. 3	1630	17400	21.70
Dec. 5	1130	*73800	31.01	Apr. 23	0045	15100	20.90
Dec. 22	1645	16400	21.05	Apr. 29	0245	20100	22.89
Dec. 28	2300	21900	23.24	May 3	2245	28800	25.37
Jan. 11	0045	15100	20.49	May 9	0800	37900	27.20

Minimum daily discharge, 213 ft^3/s Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	407	3720	6700	2280	4740	3040	12600	1880	567	557	359
2	296	387	3200	5650	2130	3950	2670	13700	1230	460	532	368
3	275	378	24800	4600	2060	3230	14400	25700	841	423	521	431
4	272	385	61500	4050	2200	2820	10300	28300	718	476	555	464
5	252	403	69600	3920	2130	9010	6250	26100	664	524	597	416
6	236	416	50800	3850	1900	9280	5360	19000	769	493	585	463
7	224	445	29400	2820	1760	5920	4200	12900	591	837	589	488
8	216	449	18600	2550	1600	4950	3130	29500	710	542	545	453
9	216	440	13000	3150	1520	4050	2640	36500	502	512	551	446
10	213	413	9040	6650	3260	3330	2370	26100	502	455	583	624
11	220	401	10600	11100	3890	2980	2150	17800	609	476	456	427
12	251	391	9730	8200	3670	2690	1970	12000	589	485	472	453
13	460	382	5550	7100	8140	2650	1560	8160	516	574	512	444
14	515	393	8950	6350	4950	2620	1040	5360	436	503	572	476
15	591	2260	7610	4600	4040	2410	950	3610	437	486	617	404
16	503	1700	5130	3500	3910	2300	1020	2750	574	538	521	385
17	441	1540	4250	2550	3610	3500	1000	2080	582	553	540	384
18	424	1130	3500	4470	3070	4690	1090	1920	532	505	521	386
19	604	916	3120	3870	2650	3580	1550	2050	554	635	501	413
20	561	4920	2950	3280	2390	4220	2010	1670	420	689	540	420
21	519	3040	2870	2790	2220	3770	1690	1950	461	510	482	443
22	527	2430	13100	2430	2010	3250	10900	1860	434	486	501	460
23	705	6650	10300	2560	1960	2870	11500	1770	612	516	540	485
24	687	14000	7000	8950	1870	2540	6730	1630	525	459	501	423
25	662	7020	4950	6800	1850	2800	6250	1530	543	461	540	419
26	591	5430	4250	5150	1780	2440	5120	1410	507	488	501	379
27	539	6300	3700	4580	9620	2280	5320	1950	499	531	482	470
28	505	7560	14600	3890	7230	5910	11100	7880	416	467	465	391
29	484	5370	18300	3330	5050	4760	17300	3880	482	494	488	392
30	463	4480	14200	2840	---	4180	12800	2670	465	563	485	405
31	434	---	9830	2460	---	3710	---	2230	---	494	410	---
TOTAL	13204	80436	448150	144740	94750	121430	157410	316560	18600	16202	16262	12971
MEAN	426	2681	14460	4669	3267	3917	5247	10210	620	523	525	432
MAX	705	14000	69600	11100	9620	9280	17300	36500	1880	837	617	624
MIN	213	378	2870	2430	1520	2280	950	1410	416	423	410	359
CFSM	.22	1.39	7.50	2.42	1.70	2.03	2.72	5.30	.32	.27	.27	.22
IN.	.25	1.55	8.65	2.79	1.83	2.34	3.04	6.11	.36	.31	.31	.25

CAL YR 1983 TOTAL 2197840 MEAN 6021 MAX 87200 MIN 207 CFSM 3.12 IN 42.41
WTR YR 1984 TOTAL 1440715 MEAN 3936 MAX 69600 MIN 213 CFSM 2.04 IN 27.80

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.91	6.23	12.57	16.01	12.28	14.60	13.28	19.58	11.93	11.32	11.31	11.15
2	5.82	6.16	11.69	14.33	12.13	13.93	12.92	19.99	11.61	11.23	11.29	11.16
3	5.74	6.13	24.03	13.31	12.07	13.28	20.28	24.54	11.46	11.21	11.29	11.22
4	5.73	6.15	30.03	11.87	12.20	12.87	18.33	25.24	11.40	11.25	11.31	11.25
5	5.64	6.22	30.71	11.14	12.13	17.22	15.94	24.66	11.37	11.29	11.33	11.21
6	5.57	6.26	29.16	10.83	11.94	17.58	15.31	22.19	11.43	11.26	11.33	11.24
7	5.52	6.36	25.54	10.52	11.84	15.47	14.39	19.52	11.33	11.43	11.33	11.26
8	5.48	6.37	22.14	10.13	11.74	14.76	13.43	25.23	11.40	11.30	11.30	11.24
9	5.48	6.34	19.63	9.83	11.70	14.02	12.95	26.93	11.27	11.28	11.31	11.23
10	5.46	6.25	17.50	15.62	13.23	13.37	12.67	24.49	11.27	11.24	11.33	11.35
11	5.50	6.21	18.26	18.51	13.87	13.03	12.44	21.62	11.34	11.25	11.24	11.21
12	5.64	6.18	17.80	14.72	13.63	12.74	12.29	19.02	11.33	11.26	11.25	11.24
13	6.40	6.14	15.20	14.12	16.92	12.70	12.05	16.94	11.28	11.32	11.28	11.23
14	6.58	6.18	17.34	13.37	14.75	12.69	11.86	15.07	11.22	11.27	11.32	11.25
15	6.80	10.01	16.59	12.38	14.01	12.48	11.78	13.63	11.22	11.26	---	11.19
16	6.54	9.11	14.89	11.65	13.90	12.34	11.76	12.80	11.32	11.30	---	11.18
17	6.34	8.82	14.19	11.22	13.63	13.50	11.61	12.09	11.33	11.31	---	11.18
18	6.29	8.02	13.06	14.31	13.12	14.59	11.60	11.96	11.29	11.28	---	11.18
19	6.84	7.57	12.02	13.85	12.70	13.67	11.99	12.09	11.31	11.35	---	11.20
20	6.72	14.27	11.55	13.32	12.42	14.24	12.41	11.78	11.21	11.39	---	11.21
21	6.59	11.46	11.16	12.84	12.22	13.86	12.18	12.03	11.24	11.28	---	11.23
22	6.61	10.43	19.46	12.46	12.03	13.39	18.59	11.92	11.22	11.26	---	11.24
23	7.10	15.39	18.03	12.58	11.99	13.02	19.09	11.85	11.34	11.28	---	11.26
24	7.06	21.19	14.35	17.39	11.92	12.70	16.45	11.77	11.28	11.24	---	11.21
25	6.99	16.76	13.58	16.06	11.90	12.97	16.13	11.71	11.30	11.24	---	11.21
26	6.80	15.07	12.89	14.91	11.86	12.62	15.28	11.69	11.28	11.26	---	11.17
27	6.65	16.09	11.37	14.46	17.63	12.42	15.40	12.01	11.27	11.29	---	11.25
28	6.55	17.35	19.81	13.88	16.32	15.51	18.49	16.73	11.21	11.25	11.24	11.18
29	6.48	14.98	21.81	13.37	14.83	14.75	21.70	13.85	11.26	11.27	11.26	11.18
30	6.42	13.72	20.11	12.89	---	14.30	19.69	12.71	11.24	11.31	11.26	11.20
31	6.32	---	17.79	12.50	---	13.91	---	12.24	---	11.27	11.20	---
TOTAL	193.57	297.42	554.26	414.38	380.91	428.53	442.29	517.88	339.96	349.75	---	336.51
MEAN	6.24	9.91	17.88	13.37	13.13	13.82	14.74	16.71	11.33	11.28	---	11.22
MAX	7.10	21.19	30.71	18.51	17.63	17.58	21.70	26.93	11.93	11.43	---	11.35
MIN	5.46	6.13	11.16	9.83	11.70	12.34	11.60	11.69	11.21	11.21	---	11.15

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-64, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)
NOV										
28...	1415	7720	86	7.9	13.5	80	7.8	75	2.5	800
MAR										
12...	1430	3600	32	5.5	12.0	18	10.1	94	1.7	K120
JUN										
26...	0955	2900	112	6.6	27.0	15	7.2	91	2.9	K64
AUG										
28...	1015	2890	90	6.7	28.0	6.5	9.0	115	2.4	K14

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
28...	30	.16	.040	.20	.110	1.3	1.4	1.6	.380	.050
MAR										
12...	34	.09	.010	.10	.040	.46	.50	.60	.060	<.010
JUN										
26...	39	--	<.010	<.10	.030	.37	.40	--	.040	<.010
AUG										
28...	34	--	<.010	<.10	.010	.49	.50	--	.030	<.010

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

LOCATION.--Lat 33 49 14 , long 88 31 07 , in N sec.27, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 45, 1.5 mi east of Aberdeen, and at mile 360.2.

DRAINAGE AREA.--2,171 mi2.

PERIOD OF RECORD.--Water years 1972 to August 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	ALKALINITY LAB (MG/L AS CACO3)
NOV 28...	1600	124	7.9	13.5	110	8.2	77	4.0	1200	48
MAR 12...	1645	131	6.4	10.0	28	10.8	96	1.5	210	43
JUN 26...	1115	120	6.7	29.0	5.1	7.8	102	1.8	<2	46
AUG 28...	1220	134	6.8	28.5	2.5	10.4	135	2.8	260	55

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV 28...	.24	.060	.30	.110	.79	.90	1.2	.240	.120
MAR 12...	.18	.020	.20	.050	.45	.50	.70	.060	<.010
JUN 26...	--	<.010	<.10	.030	.47	.50	--	.010	<.010
AUG 28...	--	<.010	<.10	<.010	--	.40	--	<.010	<.010

02437560 NICHOLS CREEK NEAR ABERDEEN, MS

LOCATION.--Lat 33 48 53 , long 88 29 20 , in SW sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 45, 0.1 mi northwest of intersection of U.S. Highway 45 and State Highways 8 and 25, and 3.1 mi southeast of Aberdeen.

DRAINAGE AREA.--24.1 mi2.

PERIOD OF RECORD.--Water years 1977 to August 1984 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
NOV 29...	0700	--	28	7.2	8.0	19	10.3	85	2.0
MAR 12...	1715	--	22	6.8	10.5	10	9.6	86	1.1
AUG 28...	1120	2.6	42	6.1	23.5	2.5	9.1	107	.8

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV 29...	250	9.0	.010	<.10	.080	.12	.20	.060	.040
MAR 12...	K86	7.0	.010	<.10	.040	.26	.30	.010	<.010
AUG 28...	120	15	<.010	<.10	<.010	--	.40	.010	<.010

MOBILE RIVER BASIN

02437600 JAMES CREEK AT ABERDEEN, MS

LOCATION.--Lat 33 48 48 , long 88 33 59 , in SE sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on State Highway 25, 0.8 mi southwest of Aberdeen, and 1.5 mi southwest of intersection of State Highway 25 and State Highway 6 and U.S. Highway 45.

DRAINAGE AREA.--28.4 m:2.

PERIOD OF RECORD.--Water years 1963, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	ALKA-LINITY LAB (MG/L AS CACO3)
NOV 28...	1630	125	7.9	12.5	65	8.8	81	2.5	540	49
MAR 12...	1600	385	6.4	11.0	25	11.3	103	1.6	K77	124

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV 28...	.45	.050	.50	.120	.68	.80	1.3	.290	.130
MAR 12...	.27	.030	.30	.030	.57	.60	.90	.060	<.010

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW¼ sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.0 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from the mouth.

DRAINAGE AREA.--799 mi^2.

PERIOD OF RECORD.--July 1966 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--18 years, ,678 ft^3/s, 25.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft^3/s Mar. 17, 1973, gage height, 23.48 ft, observed at crest; minimum, 117 ft^3/s Sept. 16, 1972, gage height, 4.26 ft.

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Floods in 1892 and 1893 reached stages of 21 ft, and floods Feb. 4, 1951, and Mar. 30, 1951, reached stages of 19.46 ft and 19.56 ft, respectively, from information by local residents; flood of April 12, 1962, reached a stage of 19.01 ft, from floodmark; all at present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 5	0800	*32900	19.09	Apr. 25	0200	6040	14.18
Dec. 14	0500	8010	14.88	Apr. 30	2000	10900	15.70
Dec. 30	1700	14500	16.50	May 5	0700	14700	16.53
Apr. 5	2100	7460	14.70	May 10	0700	13000	16.19

Minimum discharge, 136 ft^3/s Sept. 26, 27, 28, 29, gage height, 4.68 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	238	263	2490	5810	1280	3270	3080	8910	1170	348	261	184
2	232	262	1480	3190	1180	2450	2190	5310	946	344	264	182
3	225	263	3690	2360	1150	1760	2480	4040	830	316	292	177
4	220	265	12200	1960	1230	1510	3370	5130	749	306	316	169
5	218	269	28800	1720	1270	1930	5860	13000	680	300	307	165
6	215	287	15000	1560	1130	2570	6490	8510	628	290	384	164
7	214	297	8260	1420	1020	3150	4200	4960	586	303	524	161
8	210	292	5400	1290	948	3710	2870	4310	562	329	406	158
9	205	291	3840	1180	918	2990	2190	5720	542.	685	332	154
10	201	288	2790	1580	975	2180	1850	11600	514	476	299	164
11	205	281	2640	2420	1280	1770	1670	7520	485	354	291	166
12	222	277	3160	3320	1580	1620	1460	4420	461	307	289	167
13	315	274	5270	5250	1730	1480	1320	3000	446	398	300	177
14	471	275	7290	3710	2040	1370	1200	2240	428	403	279	174
15	461	376	4680	2520	2140	1260	1100	1730	403	388	254	166
16	352	1050	3370	1890	1890	1160	1030	1420	392	347	240	158
17	296	1070	2780	1640	1800	1290	1010	1220	390	325	234	152
18	273	676	2140	1710	1780	1520	969	1100	364	394	259	148
19	264	500	1720	2120	1520	1660	973	1010	346	480	265	145
20	274	680	1480	2510	1340	1520	1380	949	330	396	231	145
21	282	1420	1330	2400	1210	1620	1950	1000	317	320	218	145
22	272	1620	1580	1810	1120	1770	2200	1110	306	283	216	144
23	292	1270	2140	1510	1090	1580	2690	1050	345	263	220	143
24	368	1860	2650	1990	1190	1370	4300	934	438	250	225	142
25	394	2890	2910	2530	1120	1340	5200	868	444	247	217	139
26	345	3800	2070	2980	1020	1390	3000	805	410	287	201	138
27	313	3340	1480	3070	1600	1310	2240	775	341	263	189	136
28	291	2140	2880	2530	2370	1780	2440	1070	315	256	183	136
29	278	2420	5950	1940	2940	2580	3180	3420	325	311	180	138
30	271	2720	12300	1640	---	3440	6920	3930	342	318	182	139
31	265	---	10300	1440	---	4190	---	2240	---	278	185	---
TOTAL	8682	31716	164070	73000	41861	62540	80812	113301	14835	10565	8243	4676
MEAN	280	1057	5293	2355	1443	2017	2694	3655	495	341	266	156
MAX	471	3800	28800	5810	2940	4190	6920	13000	1170	685	524	184
MIN	201	262	1330	1180	918	1160	969	775	306	247	180	136
CFSM	.35	1.33	6.63	2.95	1.81	2.53	3.38	4.58	.62	.43	.33	.20
IN.	.40	1.48	7.65	3.40	1.95	2.92	3.77	5.28	.69	.49	.38	.22

CAL YR 1983 TOTAL 846563 MEAN 2319 MAX 28800 MIN 187 CFSM 2.91 IN 39.46
WTR YR 1984 TOTAL 614301 MEAN 1678 MAX 28800 MIN 136 CFSM 2.10 IN 28.64

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS

LOCATION.--Lat 33 40 24 , long 88 25 45 , in SW sec.16, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160103, at downstream side of bridge on U.S. Highway 45, 1.8 mi northwest of Kolola Springs, and at mile 8.6.

DRAINAGE AREA.--855 mi2.

PERIOD OF RECORD.--Water years 1963-64, 1977 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV 29...	1000	2560	23	7.1	10.5	24	9.2	80	1.5	200
MAR 13...	0845	1600	20	6.6	10.0	10	9.6	85	1.8	K23
AUG 28...	1400	188	29	6.1	26.0	3.0	10.0	123	1.5	K62

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV 29...	8.0	.08	.020	.10	.030	.57	.60	.70	.070	.030
MAR 13...	6.0	--	<.010	.10	.160	.34	.50	.60	<.010	<.010
AUG 28...	8.0	--	<.010	<.10	<.010	--	.20	--	<.010	<.010

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi south of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

DRAINAGE AREA.--926 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February 1981 to current year (high water records only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

REMARKS.--Records fair. Discharges below 500 ft^3/s not determined.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft^3/s, 19.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/s Mar. 17, 1973, gage height, 32.26 ft; no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 4	1645	*64200	30.52	Mar. 7	0230	13100	23.71
Dec. 29	2245	13500	23.50	Apr. 5	0315	13000	23.70

Minimum discharge, not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	617	8250	---	4090	673	3750		---		
2		---	633	5190	---	1510	596	2470		---		
3		---	13200	2200	---	714	4300	3880		---		
4		---	57200	945	---	645	10600	7110		---		
5		---	48800	853	---	3460	12200	8000		---		
6		---	27400	504	---	9810	8220	6640		---		
7		---	15500	---	650	12200	3940	4070		---		
8		---	8810	---	---	8500	992	2200		---		
9		---	5850	---	---	4570	679	3890		---		
10		---	4050	---	735	1330	651	6280		---		
11		---	4280	6730	1700	731	581	7110		---		
12		---	4400	8390	2250	716	---	4960		---		
13		---	4160	7280	3770	651	---	1650		---		
14		---	4420	4060	5250	652	---	552		---		
15		---	3960	1120	4880	560	---	---		---		
16		---	3820	635	3160	---	---	---		501		
17		2040	2760	503	2070	1210	---	---		---		
18		2390	1080	1420	1630	3360	---	---		---		
19		2370	641	3360	1010	4350	---	---		---		
20		2730	---	4590	715	3880	1370	---		---		
21		4440	---	3640	575	3290	1960	---		---		
22		6980	1690	1120	---	1970	2520	---		---		
23		8890	2880	824	---	841	4420	---		---		
24		8130	4040	3320	---	646	5780	---		---		
25		7280	3760	5970	---	669	5040	---		---		
26		5400	1820	6510	---	703	2260	---		---		
27		4000	1600	4950	2060	579	5220	---		---		
28		2940	5200	2280	3810	1520	7290	---		---		
29		2000	11100	1010	4880	2980	6020	---		---		
30		1110	11600	779	---	3470	4600	---		---		
31		---	10600	554	---	1870	---	---		---		
TOTAL		---	---	---	---	---	---	---		---		
MEAN		---	---	---	---	---	---	---		---		
MAX		---	---	---	---	---	---	---		---		
MIN		---	---	---	---	---	---	---		---		
CFSM		---	---	---	---	---	---	---		---		
IN.		---	---	---	---	---	---	---		---		

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-75, 1977-80, 1983 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
29...	1300	1820	148	7.4	10.5	60	8.5	74	2.3	680
MAR										
13...	1115	655	207	6.2	11.0	33	9.6	87	2.3	160
AUG										
28...	1650	--	246	7.0	26.5	3.0	6.1	76	2.3	KS

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV										
29...	55	.08	.020	.10	<.010	--	1.0	1.1	.090	.100
MAR										
13...	66	--	.020	<.10	.030	.47	.50	--	.070	<.010
AUG										
28...	119	--	<.010	<.10	<.010	--	.60	--	.020	<.010

02441390 TOMBIGBEE RIVER AT COLUMBUS LOCK AND DAM, NEAR COLUMBUS, MS

LOCATION.--Lat 33°31'05", long 88°29'19", in NW¼ sec.11, T.18 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at control tower on right bank of lock, 3.5 mi northwest of Columbus, 4.1 mi upstream from 02441500 Tombigbee River at Columbus, 6.4 mi upstream from Luxapallila Creek, and at mile 323.8.

DRAINAGE AREA.--4,440 mi².

PERIOD OF RECORD.--October 1899 to December 1912. August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to April 1981, published as "02441500 Tombigbee River at Columbus". Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service, and 1972 to present at site 02441500 Tombigbee River at Columbus.

GAGE.--Water-stage, gate-position, and lockage recorder. Datum of gage is 100.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to April 1, 1982, water-stage recorder at site 4.1 mi downstream at datum 28.91 ft higher (see 02441500 Tombigbee River at Columbus).

REMARKS.--Records fair except those below 1,000 ft³/s, which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft wide tainter gates with sill elevation of 138.0 ft NGVD and 110 ft by 600 ft lock with maximum lift of 27 ft at normal pool elevation of 163.0 ft NGVD. Minimum flow structure with manually operated gates and maximum discharge of about 300 ft³/s at normal pool. Storage began Jan. 16, 1981; dam completed Jan. 29, 1981. Capacity 59,500 acre-ft at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure.

AVERAGE DISCHARGE.--69 years, 6,660 ft³/s, 20.37 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s Mar. 19, 1973, gage height, 42.22 ft, site and datum then in use; minimum daily, 120 ft³/s Sept. 25, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft NGVD at site 3.93 mi downstream, discharge 278,000 ft³/s estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 124,000 ft³/s Dec. 6, gage height 71.09 ft; minimum daily discharge, 120 ft³/s Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	687	682	8880	26700	5310	13200	7490	22800	4990	1070	640	351
2	319	902	8720	17200	4430	10300	7270	25200	2660	1580	444	368
3	267	673	51600	11100	4300	8100	29000	39000	2560	727	976	345
4	374	1090	77900	9830	4690	6660	31200	47800	1930	743	620	141
5	184	711	113000	9640	5990	22200	23800	45800	1950	755	1740	188
6	941	762	122000	9530	1430	27300	21600	45800	1730	1180	932	167
7	445	1110	107000	6570	4160	23700	16300	31200	1630	1150	2470	187
8	424	911	79700	5970	3740	20400	9280	33400	1340	739	1220	289
9	531	937	41500	7090	3590	15500	6680	49000	1660	1000	1060	268
10	440	744	21500	14900	6320	9760	5210	50000	1270	1180	1230	657
11	440	898	28700	24200	10000	7450	4910	43300	1030	813	1080	919
12	665	697	26900	19500	9940	6310	3900	29600	972	783	958	376
13	691	854	18000	17800	18600	6160	3670	17200	1170	1160	272	575
14	909	761	19500	15400	14800	5780	2670	10900	1140	936	745	250
15	1170	2950	21900	10400	13000	5210	2200	7560	843	745	956	1110
16	1230	3660	17000	7760	12200	5090	2340	5700	1110	3640	426	290
17	1010	3220	13400	5670	10200	9280	2240	4580	692	1910	564	143
18	888	2700	10300	10900	7980	11800	2500	3820	1060	1410	482	148
19	1060	2010	8050	9440	7170	11200	3770	3520	1040	721	410	149
20	1180	11100	6640	8190	5610	13400	7380	3430	1030	1290	697	169
21	959	9740	6360	8880	4950	11000	6820	3150	984	1140	466	229
22	1430	7080	14000	6960	4380	9000	18400	3240	1150	587	489	264
23	1050	12500	19700	6940	4380	5510	23000	3430	2630	529	649	338
24	1310	23900	14400	21300	4290	4790	17300	3200	1530	593	498	200
25	1330	21700	12500	20000	3860	4940	17200	2860	1260	636	715	120
26	1080	17800	10700	16600	4260	4120	16000	2280	1030	552	385	147
27	1140	20300	8420	15400	16800	4070	23800	2900	1320	882	224	165
28	779	23200	34900	11100	17800	11200	27800	7300	1480	852	209	156
29	927	15600	39800	7280	13400	12000	39200	7460	2360	641	277	216
30	979	10600	32600	7390	---	10200	25800	6040	1670	562	648	230
31	870	---	29500	5120	---	9080	---	6920	---	905	521	---
TOTAL	25709	199792	1025070	374760	227580	324710	408730	568390	47221	31411	23003	9155
MEAN	829	6660	33070	12090	7848	10470	13620	18340	1574	1013	742	305
MAX	1430	23900	122000	26700	18600	27300	39200	50000	4990	3640	2470	1110
MIN	184	673	6360	5120	1430	4070	2200	2280	692	529	209	120
CFSM	.19	1.50	7.45	2.72	1.77	2.36	3.07	4.13	.36	.23	.17	.07
IN.	.22	1.67	8.59	3.14	1.91	2.72	3.42	4.76	.40	.26	.19	.08

CAL YR 1983 TOTAL 5293196 MEAN 14500 MAX 131000 MIN 184 CFSM 3.27 IN 44.35
WTR YR 1984 TOTAL 3265531 MEAN 8922 MAX 122000 MIN 120 CFSM 2.01 IN 27.36

02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS

LOCATION.--Lat 33 29 40 , long 88 27 40 , in SW sec.18, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 82, 1.7 mi upstream from bridge on U.S. Highway 45E, 1.6 mi west of Columbus, and at mile 321.7.

DRAINAGE AREA.--4,451 mi2.

PERIOD OF RECORD.--Water years 1974-76, 1978 to August 1984 (discontinued).

REVISED RECORDS.--WDR MS-80-1: Drainage area.

REMARKS.--Stream discharge determined at station 02441500 prior to Apr. 1, 1981, and at station 02441390 thereafter. In water years 1958-59, 1961-65, 1967, and 1971-74, equivalent data was collected 2.0 mi downstream (station 02441500).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV 29...	1200	15400	95	7.0	11.5	75	10.2	91	2.7	430
MAR 13...	1030	6520	89	6.5	11.0	29	11.3	103	2.4	K2000
JUN 26...	1235	624	113	7.2	31.5	9.6	8.3	113	1.6	K37
AUG 28...	1540	629	144	7.7	30.0	1.0	12.0	159	2.4	K35

DATE	ALKA-LINITY LAB (MG/L AS CACO3)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
NOV 29...	34	.15	.050	.20	.110	.49	.60	.80	.220	.080
MAR 13...	26	.08	.020	.10	.030	.37	.40	.50	.060	<.010
JUN 26...	39	--	<.010	<.10	.070	.13	.20	--	.020	<.010
AUG 28...	47	--	<.010	<.10	<.010	--	.50	--	<.010	<.010

DATE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)
NOV 29...	2600	110	150	80	.2	.2
JUN 26...	640	110	100	10	1.9	1.9
AUG 28...	410	20	60	10	<.1	<.1

02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
NOV 29...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	.01	<.010	<.010
JUN 26...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
AUG 28...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
NOV 29...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JUN 26...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
AUG 28...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 29...	<.01	<.01	<.1	<1	<.01	.01	<.01	<.01	<.01
JUN 26...	<.01	<.01	<.1	<1	<.01	.07	<.01	.01	<.01
AUG 28...	<.01	<.01	<.1	<1	<.01	.03	<.01	<.01	<.01

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft downstream from bridge on old U.S. Highway 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 mi upstream from Luxapallila Creek, 4.1 mi downstream from 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,463 mi2.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to March 1981; April 1981 to current year (gage heights only). Monthly discharge only for some periods, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area, WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-03, 1950.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 mi upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi upstream from base gage at datum 128.82 ft NGVD.

REMARKS.--Stage affected since Dec. 27, 1979, by Aliceville Lock and Dam 32.0 mi downstream, normal pool elevation 136.0 ft NGVD and since Jan. 16, 1981, by Columbus Lock and Dam, 4.1 mi upstream.

AVERAGE DISCHARGE.--See 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus.

EXTREMES FOR PERIOD OF RECORD.--See 02441390.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft NGVD at site 1,100 ft upstream (corresponding stage at gage about 44 ft) discharge 268,000 ft^3/s estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390 for discharge records. Maximum gage height, 36.87 ft Dec. 6; minimum, 6.70 ft Nov. 15.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.84	7.90	9.51	16.97	8.89	11.94	10.21	15.93	8.07	7.42	7.43	7.39
2	7.78	7.91	9.34	13.81	8.65	10.89	9.87	16.20	7.58	7.45	7.36	7.37
3	7.73	7.86	23.93	11.16	8.34	9.75	16.41	19.98	7.62	7.37	7.41	7.36
4	7.75	7.91	31.81	10.55	8.65	9.04	18.99	23.12	7.46	7.39	7.41	7.32
5	7.65	7.86	35.89	10.25	8.90	14.19	16.78	22.72	7.49	7.39	7.58	7.30
6	7.88	7.89	36.71	10.28	7.62	17.13	15.86	22.24	7.61	7.41	7.40	7.31
7	7.75	7.91	35.66	9.19	8.12	15.93	14.13	18.33	7.45	7.42	7.58	7.34
8	7.79	7.90	32.60	8.94	8.30	14.65	11.15	17.82	7.47	7.39	7.43	7.35
9	7.80	7.91	25.24	9.21	8.08	12.97	9.85	21.94	7.46	7.42	7.38	7.36
10	7.81	7.86	16.53	11.37	8.98	10.64	9.30	22.82	7.43	7.41	7.42	7.37
11	7.91	7.88	17.29	15.67	10.92	9.45	9.01	21.12	7.36	7.38	7.41	7.41
12	7.94	7.82	18.07	14.59	10.49	9.01	8.57	17.28	7.35	7.39	7.39	7.32
13	7.76	7.40	15.04	13.72	13.83	8.92	8.54	13.14	7.41	7.42	7.33	7.33
14	7.97	6.89	14.58	12.86	12.80	8.79	8.23	10.63	7.40	7.40	7.39	7.31
15	7.93	7.12	15.30	10.96	11.78	8.61	8.07	9.36	7.39	7.36	7.40	7.28
16	7.92	7.44	13.68	9.79	11.55	8.54	8.01	8.55	7.45	7.80	7.36	7.27
17	7.89	7.16	12.17	8.83	10.75	9.61	7.97	8.36	7.30	7.46	7.37	7.29
18	7.87	7.06	10.83	10.46	9.75	11.21	7.94	7.98	7.41	7.42	7.37	7.26
19	7.91	6.92	9.82	10.67	9.39	10.90	8.16	8.02	7.39	7.36	7.36	7.27
20	7.93	10.01	9.19	9.73	8.75	11.59	9.52	8.04	7.37	7.40	7.36	7.29
21	7.93	10.14	9.13	9.98	8.46	10.93	9.51	7.90	7.41	7.41	7.39	7.31
22	8.01	8.93	11.48	9.42	8.29	10.08	11.79	8.04	7.41	7.31	7.37	7.34
23	7.92	10.69	13.90	9.11	8.25	9.12	15.26	7.95	7.70	7.40	7.35	7.34
24	7.90	15.02	12.43	13.90	8.25	8.98	13.76	7.93	7.37	7.37	7.38	7.31
25	7.91	14.51	11.46	14.65	8.11	8.99	13.07	8.01	7.32	7.37	7.38	7.30
26	7.93	13.12	10.84	13.31	8.16	8.73	12.75	7.71	7.42	7.38	7.34	7.24
27	7.92	13.68	9.80	12.73	12.52	8.76	16.48	7.86	7.43	7.39	7.39	7.23
28	7.89	14.94	18.13	10.96	13.90	10.92	18.01	8.92	7.44	7.34	7.40	7.20
29	7.93	12.65	21.49	10.00	12.23	12.29	22.07	9.30	7.54	7.31	7.38	7.19
30	7.92	10.50	20.19	9.52	---	11.73	18.56	8.45	7.45	7.37	7.38	7.20
31	7.87	---	18.19	9.00	---	11.14	---	8.40	---	7.41	7.36	---
TOTAL	243.94	278.79	550.23	351.59	282.71	335.43	367.83	404.05	223.96	229.52	229.26	219.16
MEAN	7.87	9.29	17.75	11.34	9.75	10.82	12.26	13.03	7.47	7.40	7.40	7.31
MAX	8.01	15.02	36.71	16.97	13.90	17.13	22.07	23.12	8.07	7.80	7.58	7.41
MIN	7.65	6.89	9.13	8.83	7.62	8.54	7.94	7.71	7.30	7.31	7.33	7.19

CAL YR 1983 TOTAL 4418.18 MEAN 12.10 MAX 37.21 MIN 6.89
WTR YR 1984 TOTAL 3716.47 MEAN 10.15 MAX 36.71 MIN 6.89

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼SW¼ sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft upstream from bridge on county highway (formerly State Highway 50), 0.6 mi upstream from Magby Creek, 1.4 mi upstream from U.S. Highway 82 and 6.2 mi upstream from mouth.

DRAINAGE AREA.--715 mi2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1930, October 1974 to current year.

REVISED RECORDS.--WSP 1304: 1929, 1930 (Monthly values only). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 3, 1974, nonrecording gage at same site. September 1928 to September 1930 at undetermined datum, but believed to be same as present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--12 years, 1,312 ft3/s, 24.92 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft3/s Apr. 14, 1979, gage height, 32.35 ft; minimum, since October 1974, 58 ft3/s Oct. 4, 5, 6, 1982, minimum gage height, 7.15 ft Oct. 4, 1983.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 35.3 ft April 1892, from information by Corps of Engineers. The flood of January 1949, reached a stage of 32.8 ft and the flood of December 1961, reached a stage of 31.8 ft, according to information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Dec. 4	2000	*30900	29.92	Apr. 29	0100	10900	22.63
Dec. 30	0300	10300	22.14	May 4	2330	8270	20.53

Minimum discharge, 92 ft3/s Sept. 28, 29; gage height, 7.37 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	191	1420	3370	1190	2460	2370	5170	711	441	221	130
2	161	189	1350	2380	1100	2030	1880	3650	582	332	254	127
3	154	189	9910	1960	1050	1560	3510	5310	472	252	241	124
4	151	191	28100	1730	1090	1330	5120	7540	415	213	255	119
5	146	196	26800	1550	1100	2300	5960	7490	377	194	323	116
6	142	207	16500	1430	1030	3780	4750	4760	345	188	423	113
7	143	225	10200	1320	961	4280	3170	2980	319	198	402	111
8	140	231	6930	1220	899	3250	2320	2390	301	207	352	107
9	136	235	3680	1120	852	2490	1930	3190	287	252	316	107
10	132	231	2340	1670	1220	1900	1730	3600	274	256	269	108
11	167	218	3560	3000	2140	1570	1560	2710	256	215	259	108
12	186	211	5320	4020	2580	1430	1410	2070	242	187	262	113
13	307	208	6120	3120	2710	1340	1280	1600	231	192	244	126
14	367	214	4530	2550	2940	1260	1160	1290	222	284	220	129
15	427	311	3590	2010	2600	1180	1050	1090	211	225	213	127
16	374	403	2870	1690	2150	1110	965	943	198	236	224	120
17	295	546	2190	1520	1990	1250	942	829	192	267	212	114
18	243	501	1770	1650	1820	1650	912	739	183	297	228	109
19	215	406	1510	1940	1560	1820	979	671	177	295	283	106
20	197	682	1320	2070	1380	1710	1770	635	166	258	258	104
21	187	991	1220	1690	1240	1890	2500	705	179	216	219	102
22	188	1250	1470	1460	1130	1970	2230	776	275	189	197	101
23	209	1220	1840	1370	1060	1570	2060	809	415	169	180	101
24	247	1490	2090	2270	1020	1390	2140	753	303	157	166	100
25	287	1760	1900	3060	995	1430	1710	563	289	148	159	98
26	271	1570	1900	3140	945	1550	1570	593	293	141	152	96
27	249	1290	1880	2590	1980	1450	4940	559	269	144	144	95
28	229	1430	4430	2150	3060	1680	9280	535	232	141	140	95
29	212	2400	8160	1760	3090	2950	9900	672	288	157	137	94
30	204	2020	9720	1450	---	3920	8190	897	399	186	137	96
31	195	---	6410	1320	---	3000	---	719	---	195	132	---
TOTAL	6727	21206	181030	63580	46882	62500	89288	66338	9103	6832	7222	3296
MEAN	217	707	5840	2051	1617	2016	2976	2140	303	220	233	110
MAX	427	2400	28100	4020	3090	4280	9900	7540	711	441	423	130
MIN	132	189	1220	1120	852	1110	912	535	166	141	132	94
CFSM	.30	.99	8.17	2.87	2.26	2.82	4.16	2.99	.42	.31	.33	.15
IN.	.35	1.10	9.42	3.31	2.44	3.25	4.65	3.45	.47	.36	.38	.17

CAL YR 1983 TOTAL 796109 MEAN 2181 MAX 28100 MIN 107 CFSM 3.05 IN 41.42
WTR YR 1984 TOTAL 564004 MEAN 1541 MAX 28100 MIN 94 CFSM 2.16 IN 29.34

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
NOV									
29...	1100	2520	26	7.0	10.5	32	9.7	85	2.5
MAR									
13...	1000	1340	19	6.7	11.0	8.5	9.8	89	2.2
AUG									
28...	1450	143	30	6.1	26.0	2.0	9.7	120	1.2

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	ALKALINITY LAB (MG/L AS CACO3)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
NOV									
29...	>1200	8.0	.020	<.10	.060	.64	.70	.090	.030
MAR									
13...	K51	5.0	<.010	<.10	<.010	--	.40	.020	.030
AUG									
28...	K120	8.0	<.010	<.10	<.010	--	.30	<.010	<.010

02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'08", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi upstream from Cedar Creek, 1.0 mi downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 mi downstream from Horse Hunters Creek, and 6.2 mi upstream from Running Water Creek.

DRAINAGE AREA.--768 mi2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

REVISED RECORDS.--WSP 1624: 1929-30, 1932. WDR MS-78-1: 1977. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--50 years, 1,074 ft3/s, 18.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft3/s Apr. 13, 1979, gage height, 38.97 ft from floodmark; minimum, 22 ft3/s Aug. 25, 26, 1943, gage height, 4.89 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1892 reached a stage of about 34 ft, present site and datum, from information by local residents. Flood in December 1926 reached a stage of about 30 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Dec. 6	1100	*17200	29.70	Feb. 13	0600	5000	22.63
Dec. 30	0600	6190	25.58	May 4	1000	16800	29.62

Minimum discharge, 66 ft3/s Sept. 27, 30, gage height, 5.73 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	117	1090	6080	828	1800	1810	7830	209	141	101	98
2	131	119	807	5820	688	1880	1410	7690	200	142	99	96
3	126	115	3130	5090	607	1760	4190	9370	189	130	110	96
4	122	114	5230	2900	581	1120	5080	15400	182	124	112	99
5	118	120	8110	1140	555	2850	4910	10200	179	122	240	95
6	116	146	16300	899	512	4480	4100	8170	175	125	1530	89
7	116	125	13100	785	473	4810	4240	7560	172	121	1090	84
8	116	133	8590	685	437	4560	4380	7030	167	131	580	82
9	113	146	6540	615	414	5090	3690	6000	164	168	520	81
10	113	135	5710	1920	1350	5520	1810	4240	164	126	773	81
11	115	123	5510	3450	3920	4880	987	2200	159	117	444	84
12	124	116	5870	3330	4340	2910	843	1670	153	118	342	86
13	134	110	6300	2690	4850	1130	737	1130	145	182	230	82
14	156	117	5860	2680	4520	827	657	777	141	776	190	82
15	140	161	5190	2860	4130	724	577	617	136	475	191	83
16	141	192	4530	2700	4010	658	517	502	132	246	285	84
17	154	151	3500	1660	4120	913	477	422	132	204	187	83
18	145	127	2290	1580	3950	1450	446	389	132	370	131	80
19	135	154	1320	1970	3130	1350	752	362	125	367	127	77
20	133	1720	862	1590	1870	1890	2920	332	123	242	120	75
21	123	1270	713	1390	1110	2140	2690	325	119	177	113	73
22	122	687	988	1250	914	1660	2340	341	114	150	106	72
23	129	1970	1410	1050	885	1510	2980	333	127	135	123	71
24	151	4200	1310	3480	666	1350	2550	303	140	121	137	72
25	133	3410	1340	4180	562	1410	1960	290	125	111	116	71
26	163	1840	1320	3920	522	1080	1850	276	124	106	111	69
27	161	1830	1060	3210	2240	899	4820	263	130	105	112	67
28	138	3250	4350	3110	2810	1680	5300	266	134	104	113	68
29	126	3010	5520	3210	2070	3710	6530	249	136	102	108	68
30	121	1650	6170	2770	---	3360	6940	227	141	103	103	67
31	117	---	6180	1420	---	2090	---	224	---	100	100	---
TOTAL	4068	27358	140200	79434	57064	71491	82493	94988	4469	5741	8644	2415
MEAN	131	912	4523	2562	1968	2306	2750	3064	149	185	279	80.5
MAX	163	4200	16300	6080	4850	5520	6940	15400	209	776	1530	99
MIN	113	110	713	615	414	658	446	224	114	100	99	67
CFSM	.17	1.19	5.89	3.34	2.56	3.00	3.58	3.99	.19	.24	.36	.11
IN.	.20	1.33	6.79	3.85	2.76	3.46	4.00	4.60	.22	.28	.42	.12

CAL YR 1983 TOTAL 968901 MEAN 2655 MAX 30100 MIN 97 CFSM 3.46 IN 46.93
WTR YR 1984 TOTAL 578365 MEAN 1580 MAX 16300 MIN 67 CFSM 2.06 IN 28.01

02448000 NOXUBEE RIVER AT MACON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967, 1972-75, 1981 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT				
17...	1630	155	28	--
NOV				
29...	1630	2860	81	--
DEC				
03...	1145	3340	422	--
03...	1600	4360	149	--
05...	1100	6530	68	--
JAN				
12...	1445	3280	104	--
FEB				
24...	1200	660	67	--
APR				
02...	1430	1320	88	--
03...	1000	4460	502	--
03...	1600	5060	351	--
04...	1445	5110	152	94
04...	1600	5130	153	--
06...	0900	4090	93	--
07...	1030	4220	82	--
MAY				
14...	1430	750	100	--
JUN				
25...	1700	126	46	--
AUG				
07...	1700	762	434	--
SEP				
18...	1530	79	40	--

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi upstream from Woodard Creek, 1 mi upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi north of Geiger, and at mile 16.9.

DRAINAGE AREA.--1,097 mi^2, revised.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966.)

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.-Water-stage recorder. Datum of gage is 86.08 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi downstream at datum 1.44 ft lower. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Record fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi north of gage.

AVERAGE DISCHARGE.--40 years (water years 1940, 1945-65, 1967-84), 1,623 ft^3/s, 20.09 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft^3/s Apr. 14, 1979; gage height, 48.58 ft; minimum, 13 ft^3/s July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,600 ft3/s Dec. 12, gage height, 34.30 ft; minimum, 79 ft^3/s Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	123	2120	6060	1840	2630	2000	5990	265	173	127	117
2	144	120	1400	5520	1130	2200	1600	6690	254	169	127	114
3	140	119	1260	5560	928	2170	3000	7650	245	167	125	114
4	136	119	4180	5310	816	2030	5300	9190	235	171	132	113
5	131	116	4790	3980	759	3340	4500	9190	225	159	264	111
6	127	114	5540	1860	704	5800	4000	10000	216	151	555	110
7	125	122	6120	1280	647	5560	3750	10900	211	177	1840	110
8	124	142	7010	1080	608	4940	4050	10500	206	438	1350	107
9	124	135	8320	943	559	4370	3650	9020	198	198	672	104
10	122	129	9440	1530	817	4160	2800	7450	197	167	1110	103
11	120	126	10300	4060	3990	4270	2000	5410	195	181	1370	102
12	118	123	11400	4130	4930	4080	1500	2470	194	159	1480	96
13	118	116	10400	3690	6520	2920	1150	1550	195	161	573	92
14	123	113	8900	3100	6590	1440	850	1130	185	148	2300	90
15	127	109	7490	2930	5730	965	650	818	178	508	575	89
16	136	106	6520	3050	4790	816	570	668	171	549	274	88
17	127	147	5460	2900	4500	822	520	560	166	309	276	86
18	125	155	4150	2530	4270	1560	500	483	162	223	259	84
19	132	135	2770	3100	4000	1750	650	442	163	249	178	84
20	127	1100	1750	2640	3390	1970	2180	424	159	367	147	82
21	120	2860	1190	2070	2330	2690	2880	406	152	282	140	81
22	117	1670	1290	1780	1530	2350	3160	430	150	214	135	80
23	113	1260	1760	1680	1240	1950	3480	417	160	176	128	81
24	109	4570	1800	4000	1160	1700	2980	403	209	164	124	80
25	108	4850	1690	5670	913	1550	2460	374	173	150	133	80
26	128	3820	1630	5230	754	1600	1980	350	165	138	139	80
27	130	2450	1620	4500	2650	1300	3450	336	154	135	127	80
28	151	3340	4320	3690	3980	2100	5290	318	153	132	123	80
29	154	3670	6940	3310	3440	4000	6080	326	157	133	122	80
30	140	3200	6850	3260	---	3350	6050	310	170	141	123	80
31	129	---	6640	2900	---	2700	---	276	---	128	119	---
TOTAL	3976	35159	155050	103343	75515	83083	83030	104481	5663	6617	15147	2798
MEAN	128	1172	5002	3334	2604	2680	2768	3370	189	213	489	93.3
MAX	154	4850	11400	6060	6590	5800	6080	10900	265	549	2300	117
MIN	108	106	1190	943	559	816	500	276	150	128	119	80
CFSM	.12	1.07	4.56	3.04	2.37	2.44	2.52	3.07	.17	.19	.45	.09
IN.	.13	1.19	5.26	3.50	2.56	2.82	2.82	3.54	.19	.22	.51	.09

CAL YR 1983 TOTAL 1426883 MEAN 3909 MAX 32800 MIN 106 CFSM 3.56 IN 48.39
WTR YR 1984 TOTAL 673862 MEAN 1841 MAX 11400 MIN 80 CFSM 1.68 IN 22.85

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 mi downstream from Oakohay Creek, 10.6 mi upstream from Big Creek, 9.5 mi northeast of Collins, and at mile 114.5.

DRAINAGE AREA.--743 mi^2.

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 2106: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft Mississippi State Highway Department datum. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 1,098 ft^3/s, 20.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft^3/s Apr. 14, 1974, gage height, 32.6 ft, from floodmark; minimum, 55 ft^3/s Aug. 28-30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1856 reached a stage of about 33 ft, and the flood in April 1900 reached a stage of 32 ft, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,800 ft^3/s Mar. 8, gage height 17.28 ft, only peak above base of 8,000 ft^3/s; minimum, 90 ft^3/s Sept. 30, gage height 3.46 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	137	136	509	2380	583	2120	565	302	247	159	261	160
2	136	136	380	1620	533	1180	565	459	233	156	209	147
3	131	136	329	1020	512	1050	1370	2910	223	151	263	143
4	131	135	677	823	537	1180	2510	3500	214	145	392	140
5	131	142	893	723	520	5870	2760	3290	210	140	290	138
6	129	151	1990	652	488	8810	2400	2300	204	142	253	132
7	127	156	2260	584	464	8730	2000	950	200	149	277	124
8	126	160	2290	535	440	8470	2330	698	198	194	552	120
9	126	161	1700	504	421	3830	2730	610	190	231	402	119
10	125	153	826	558	423	2370	3420	488	181	190	320	116
11	130	144	962	1850	460	1440	3840	424	176	203	298	115
12	137	145	2140	2740	694	1030	2350	374	172	183	381	114
13	149	144	2640	2270	3060	896	1050	338	168	247	563	113
14	155	144	2720	1410	3630	807	776	315	175	255	744	112
15	149	150	1670	995	3750	732	680	348	173	260	706	109
16	143	164	1080	993	3420	666	586	299	162	244	503	105
17	143	165	794	949	3740	620	524	414	158	214	358	105
18	143	157	619	1470	3770	581	478	336	157	208	301	104
19	140	159	532	3220	2820	585	451	269	157	198	270	102
20	140	471	480	3460	1760	1070	480	261	164	[illegible]	237	98
21	136	690	447	2890	1180	1390	625	404	159	150	242	97
22	137	537	672	1830	944	1380	542	1480	153	140	224	97
23	153	725	1630	1080	785	867	475	1330	157	136	198	97
24	154	1260	2040	1110	674	1300	422	1090	214	141	180	97
25	151	1070	1570	1830	593	2370	380	709	250	145	178	98
26	149	974	812	2400	542	2150	352	457	190	147	199	98
27	147	579	622	1940	1750	1740	342	370	168	143	192	96
28	143	592	4220	1250	2850	1060	332	395	157	139	177	93
29	139	718	4790	933	3080	799	326	341	158	197	176	91
30	137	730	4910	774	---	664	312	294	169	211	198	90
31	137	---	4940	663	---	580	---	265	---	249	188	---
TOTAL	4311	11184	52144	45456	44423	66337	35973	26020	5537	5635	9732	3370
MEAN	139	373	1682	1466	1532	2140	1199	839	185	182	314	112
MAX	155	1260	4940	3460	3770	8810	3840	3500	250	260	744	160
MIN	125	135	329	504	421	580	312	261	153	136	176	90
CFSM	.19	.50	2.26	1.97	2.06	2.88	1.61	1.13	.25	.25	.42	.15
IN.	.22	.56	2.61	2.28	2.22	3.32	1.80	1.30	.28	.28	.49	.17

CAL YR 1983 TOTAL 610343 MEAN 1672 MAX 29000 MIN 125 CFSM 2.25 IN 30.56
WTR YR 1984 TOTAL 310122 MEAN 847 MAX 8810 MIN 90 CFSM 1.14 IN 15.53

02472500 BOWIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi upstream from Okatoma Creek, 2.2 mi southwest of Lux, 10.2 mi northwest of Hattiesburg, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--304 mi^2.

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1906: 1943(M).

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Record good.

AVERAGE DISCHARGE.--46 years, 450 ft^3/s, 20.10 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft^3/s Apr. 14, 1974, gage height, 28.18 ft, from floodmark; minimum, 83 ft^3/s Aug. 29, 1957; minimum gage height, 2.37 ft Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 28	1930	*4290	15.78	Apr. 9	0530	4000	15.17

Minimum discharge, 140 ft^3/s Sept. 30, gage height, 3.64 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	149	244	626	269	502	315	220	223	339	170	174
2	157	149	219	461	263	412	316	217	212	298	170	165
3	156	151	219	415	302	402	1340	1700	206	425	257	163
4	155	153	401	380	434	562	943	1110	203	234	488	235
5	154	155	477	350	368	1200	619	816	201	197	775	417
6	154	158	974	329	303	2760	468	736	198	192	932	279
7	152	158	965	310	272	2940	376	423	196	187	491	197
8	151	157	533	294	257	1920	1230	315	195	184	398	177
9	149	159	338	284	254	827	3370	297	192	183	407	167
10	150	156	280	381	356	535	1440	277	188	177	286	164
11	155	153	619	523	456	451	666	246	186	168	232	162
12	166	151	911	442	540	412	498	229	189	171	246	159
13	184	152	703	350	1220	400	429	219	247	515	270	157
14	185	159	493	315	835	411	404	212	273	437	402	154
15	173	176	415	410	636	384	412	220	218	341	422	154
16	163	188	332	776	860	356	356	206	202	266	378	154
17	159	182	280	607	863	341	321	200	193	248	258	153
18	159	168	254	651	662	332	301	193	192	345	220	151
19	157	167	239	930	647	340	286	191	186	264	202	150
20	155	414	227	750	470	819	275	202	180	200	190	149
21	154	387	220	540	471	765	268	258	176	178	181	149
22	154	442	252	428	450	484	275	1650	180	168	174	148
23	158	435	283	376	387	388	268	2310	182	164	172	148
24	169	600	290	408	340	595	250	893	200	163	185	154
25	166	585	251	491	313	1250	238	459	234	169	189	155
26	160	468	217	454	319	958	232	331	259	201	174	149
27	156	282	424	391	1310	683	232	288	200	236	169	147
28	154	328	3480	347	1090	487	233	552	180	183	166	145
29	151	435	3350	319	734	414	232	333	181	182	173	143
30	149	311	1820	300	---	365	225	272	661	208	195	142
31	149	---	1110	283	---	333	---	241	---	185	195	---
TOTAL	4912	7728	20820	13921	15681	23028	16818	15816	6533	7408	9167	5161
MEAN	158	258	672	449	541	743	561	510	218	239	296	172
MAX	185	600	3480	930	1310	2940	3370	2310	661	515	932	417
MIN	149	149	217	283	254	332	225	191	176	163	166	142
CFSM	.52	.85	2.21	1.48	1.78	2.44	1.85	1.68	.72	.79	.97	.57
IN.	.60	.95	2.55	1.70	1.92	2.82	2.06	1.94	.80	.91	1.12	.63

CAL YR 1983 TOTAL 254101 MEAN 696 MAX 16300 MIN 149 CFSM 2.29 IN 31.10
WTR YR 1984 TOTAL 146993 MEAN 402 MAX 3480 MIN 142 CFSM 1.32 IN 17.99

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on right downstream abutment of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 150 ft downstream from Bowie Creek, 3,200 ft upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8.

DRAINAGE AREA.--1,748 mi^2.

PERIOD OF RECORD.--September 1938 to current year. Daily mean gage height, published since January 1972. Gage-height records collected in the same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum. Jan. 15, 1939 to Apr. 14, 1981, recording gage in concrete house on left bank 450 ft downstream from U.S. Highway 11.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 2,702 ft^3/s, 20.99 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft^3/s Apr. 15, 1974, gage height, 34.03 ft; minimum, 318 ft^3/s Oct. 22, 1963; minimum recorded gage height, 2.20 ft Oct. 6, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 33.6 ft from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 29	0030	*17500	17.10	Apr. 9	1115	15500	15.80
Mar. 7	1400	17100	16.83				

Minimum discharge, 396 ft^3/s, Sept. 30, gage height, 2.25 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	602	583	1800	8390	1780	5390	1800	1130	1110	1360	889	933
2	598	585	1430	4720	1660	3810	1740	1130	1040	1140	872	844
3	603	583	1380	3540	1720	2900	4990	4960	1010	1290	984	769
4	592	589	1910	2730	2060	4030	5800	8900	982	962	1870	1050
5	589	617	2490	2360	1980	5410	5210	7730	956	809	2660	1130
6	579	615	5790	2150	1710	13600	4550	6740	942	748	2710	1020
7	566	638	6630	1980	1550	16800	3130	4590	917	906	2090	778
8	554	644	5290	1840	1460	15800	4150	2510	904	1270	1580	684
9	553	657	4200	1720	1410	12500	14300	2090	890	1110	1730	641
10	566	656	3010	1990	1620	7100	9400	1830	862	1120	1380	617
11	4680	625	3360	2840	2070	4470	6710	1540	830	1000	1170	606
12	1480	597	4770	3980	2060	3340	5970	1320	837	849	1450	607
13	1000	595	5310	4260	5040	2810	4100	1190	847	1080	1820	583
14	854	623	5360	3360	6460	2590	2810	1110	911	1530	2740	569
15	783	742	4860	2920	6210	2390	2490	1180	896	1360	3080	548
16	728	764	3180	3790	6680	2210	2200	1280	841	1250	2610	524
17	683	735	2370	3310	7170	2060	1960	1100	817	1180	2010	505
18	666	703	1900	3580	6420	1960	1800	1140	808	1190	1390	503
19	656	693	1610	5660	6190	1960	1660	1000	818	1200	1190	490
20	634	1920	1440	6280	4710	3510	1580	926	779	1010	1040	483
21	623	2210	1350	5730	3540	4180	1580	1180	758	814	940	479
22	631	2210	1370	4590	2940	3530	1720	6120	736	738	1030	473
23	631	3080	1950	3190	2480	2880	1660	10100	768	701	1040	463
24	674	4610	3180	2770	2140	2620	1510	5550	851	760	869	478
25	697	4180	3390	3340	1910	7280	1380	3490	959	721	836	475
26	666	3350	2580	4090	1840	6650	1300	2310	1110	736	1050	460
27	634	2880	2240	4060	6000	5150	1260	1740	955	819	891	450
28	621	2350	14800	3300	6620	3900	1240	1790	816	782	1220	436
29	604	2320	16800	2560	6110	2760	1220	1670	800	1220	952	421
30	601	2140	13000	2180	---	2280	1180	1350	1310	1190	1160	401
31	582	---	10300	1950	---	1980	---	1200	---	999	1090	---
TOTAL	24930	43494	139050	109160	103540	157850	100400	89896	27060	31844	46343	18420
MEAN	804	1450	4485	3521	3570	5092	3347	2900	902	1027	1495	614
MAX	4680	4610	16800	8390	7170	16800	14300	10100	1310	1530	3080	1130
MIN	553	583	1350	1720	1410	1960	1180	926	736	701	836	401
CFSM	.46	.83	2.57	2.01	2.04	2.91	1.92	1.66	.52	.59	.86	.35
IN.	.53	.93	2.96	2.32	2.20	3.36	2.14	1.91	.58	.68	.99	.39

CAL YR 1983 TOTAL 1567837 MEAN 4295 MAX 57100 MIN 553 CFSM 2.46 IN 33.37
WTR YR 1984 TOTAL 891987 MEAN 2437 MAX 16800 MIN 401 CFSM 1.39 IN 18.98

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.82	2.79	4.65	10.86	4.45	8.32	4.49	3.54	3.31	3.68	3.01	3.12
2	2.81	2.80	4.15	7.68	4.30	6.78	4.40	3.54	3.21	3.37	2.98	2.98
3	2.82	2.79	4.08	6.51	4.38	5.81	7.85	7.66	3.16	3.60	3.16	2.85
4	2.80	2.80	4.80	5.62	4.82	7.01	8.69	11.28	3.11	3.10	4.42	3.31
5	2.79	2.86	5.51	5.19	4.71	8.27	8.15	10.35	3.07	2.85	5.39	3.43
6	2.78	2.85	8.73	4.93	4.37	14.62	7.52	9.51	3.05	2.74	5.45	3.27
7	2.75	2.90	9.50	4.71	4.14	16.61	6.06	7.54	3.01	3.01	4.69	2.87
8	2.73	2.91	8.35	4.53	4.02	16.00	6.91	5.36	2.99	3.56	4.05	2.71
9	2.73	2.93	7.32	4.38	3.95	13.86	15.07	4.85	2.96	3.32	4.25	2.64
10	2.75	2.93	6.09	4.72	4.24	9.79	11.63	4.52	2.92	3.34	3.77	2.60
11	7.48	2.87	6.46	5.73	4.83	7.44	9.49	4.14	2.86	3.18	3.45	2.59
12	4.19	2.82	7.87	6.96	4.81	6.29	8.84	3.83	2.87	2.92	3.86	2.59
13	3.50	2.82	8.36	7.24	7.96	5.71	7.06	3.63	2.89	3.28	4.37	2.55
14	3.26	2.87	8.40	6.31	9.27	5.45	5.71	3.51	3.00	3.95	5.47	2.53
15	3.14	3.08	7.94	5.83	9.05	5.22	5.34	3.61	2.97	3.71	5.88	2.49
16	3.05	3.12	6.28	6.77	9.46	5.00	4.99	3.77	2.88	3.55	5.35	2.45
17	2.97	3.07	5.36	6.26	9.88	4.82	4.69	3.49	2.84	3.44	4.62	2.41
18	2.94	3.01	4.78	6.54	9.24	4.69	4.48	3.56	2.83	3.45	3.79	2.42
19	2.92	2.99	4.39	8.56	9.04	4.69	4.30	3.35	2.84	3.47	3.50	2.39
20	2.88	4.78	4.16	9.12	7.67	6.44	4.19	3.22	2.79	3.18	3.27	2.39
21	2.86	5.17	4.03	8.63	6.51	7.16	4.20	3.61	2.75	2.87	3.11	2.36
22	2.87	5.18	4.06	7.56	5.86	6.49	4.38	8.72	2.71	2.74	3.26	2.37
23	2.87	6.16	4.82	6.12	5.32	5.79	4.30	12.19	2.77	2.68	3.28	2.36
24	2.95	7.72	6.29	5.66	4.91	5.47	4.09	8.30	2.91	2.78	3.01	2.39
25	2.99	7.30	6.51	6.30	4.63	9.96	3.91	6.25	3.08	2.72	2.95	2.39
26	2.94	6.47	5.61	7.07	4.53	9.44	3.79	4.92	3.33	2.74	3.30	2.36
27	2.88	5.95	5.16	7.04	8.82	8.10	3.74	4.20	3.08	2.88	3.04	2.35
28	2.86	5.34	15.31	6.25	9.41	6.87	3.70	4.27	2.85	2.82	3.56	2.32
29	2.82	5.31	16.64	5.42	8.97	5.65	3.67	4.11	2.82	3.48	3.14	2.29
30	2.82	5.09	14.20	4.96	---	5.09	3.61	3.67	3.60	3.47	3.47	2.26
31	2.79	---	12.38	4.68	---	4.72	---	3.45	---	3.19	3.36	---
TOTAL	95.76	119.68	222.19	198.14	183.55	237.56	179.25	167.95	89.46	99.07	120.21	78.06
MEAN	3.09	3.99	7.17	6.39	6.33	7.66	5.98	5.42	2.98	3.20	3.88	2.60
MAX	7.48	7.72	16.64	10.86	9.88	16.61	15.07	12.19	3.60	3.95	5.88	3.43
MIN	2.73	2.79	4.03	4.38	3.95	4.69	3.61	3.22	2.71	2.68	2.95	2.26

WTR YR 1984 TOTAL 1790.88 MEAN 4.89 MAX 16.64 MIN 2.26

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi west of Waldrup, 11.6 mi east of Bay Springs, and 91.0 mi upstream from mouth.

DRAINAGE AREA.--102 mi2.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1961, 1964-65, and annual maximums, water years 1969-79. October 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft National Geodetic Vertical Datum of 1929. Prior to October 1979, datum of gage at NGVD. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years, 184 ft3/s, 24.50 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft3/s Apr. 13, 1974, gage height, 23.18 ft present datum; minimum, 2.4 ft^3/s July 24, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discnarge, 3,170 ft3/s Mar. 6, gage height 18.48 ft, only peak above base of 2,000 ft^3/s; minimum, 3.5 ft^3/s Sept. 30, gage height 7.31 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	7.9	36	105	49	137	51	44	13	12	6.9	11
2	7.5	8.2	29	89	46	103	49	40	12	9.9	7.1	9.1
3	7.3	8.4	27	81	46	99	388	581	10	10	17	7.9
4	6.9	8.7	185	71	53	141	593	1120	9.7	8.3	39	51
5	7.3	13	258	63	49	1010	162	692	9.3	8.0	24	25
6	7.4	13	692	58	42	2810	83	125	8.9	7.4	18	13
7	6.9	10	834	53	37	1410	63	67	8.5	8.4	16	9.1
8	6.6	9.6	219	48	35	332	203	63	8.7	10	122	7.1
9	6.8	9.9	80	45	34	156	929	78	9.8	16	73	6.5
10	6.9	9.7	57	93	37	118	1120	48	7.9	18	37	6.4
11	7.3	10	250	213	87	98	350	34	7.1	11	29	6.9
12	10	9.1	592	124	193	87	120	28	6.3	8.3	103	7.3
13	12	9.1	205	82	1340	83	85	24	6.4	12	40	6.7
14	13	9.6	102	66	1160	76	106	24	9.7	11	98	5.7
15	9.7	11	85	72	246	70	110	123	7.7	9.6	48	5.4
16	8.9	16	60	116	483	64	69	58	7.1	8.0	26	4.9
17	9.5	12	48	102	957	62	57	33	16	14	22	4.9
18	9.1	10	43	241	385	62	50	24	16	13	100	4.7
19	8.4	11	40	801	165	63	56	19	10	8.2	36	5.0
20	8.2	32	37	694	204	322	117	20	7.9	6.8	19	4.9
21	7.8	48	35	177	155	293	79	33	7.1	6.1	22	4.7
22	8.3	21	235	107	122	128	63	130	6.4	5.8	17	4.6
23	15	242	415	90	92	85	78	140	13	7.9	12	4.6
24	15	541	145	199	73	134	55	59	27	18	10	5.2
25	12	189	77	370	61	648	39	34	22	17	8.7	5.2
26	10	46	57	246	58	337	32	26	14	9.5	8.4	4.3
27	9.6	48	61	142	683	132	31	21	9.0	7.4	15	4.0
28	9.0	198	1010	102	1070	101	30	19	7.5	7.9	17	3.9
29	8.4	130	1930	79	374	79	28	17	14	9.1	22	3.7
30	8.1	53	1060	66	---	63	28	14	15	7.8	17	3.6
31	7.9	---	180	55	---	56	---	13	---	7.1	15	---
TOTAL	278.4	1744.2	9084	4850	8336	9359	5224	3751	327.0	313.5	1045.1	246.3
MEAN	8.98	58.1	293	156	287	302	174	121	10.9	10.1	33.7	8.21
MAX	15	541	1930	801	1340	2810	1120	1120	27	18	122	51
MIN	6.6	7.9	27	45	34	56	28	13	6.3	5.8	6.9	3.6
CFSM	.09	.57	2.87	1.53	2.81	2.96	1.71	1.19	.11	.10	.33	.08
IN.	.10	.64	3.31	1.77	3.04	3.41	1.91	1.37	.12	.11	.38	.09

CAL YR 1983 TOTAL 95238.8 MEAN 261 MAX 4880 MIN 6.6 CFSM 2.56 IN 34.73
WTR YR 1984 TOTAL 44558.5 MEAN 122 MAX 2810 MIN 3.6 CFSM 1.20 IN 16.25

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on State Highway 15, 0.5 mi upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mi southeast of city limits of Laurel, 13.1 mi upstream from Tallahoma Creek, and 54.0 mi from mouth.

DRAINAGE AREA.--238 mi^2.

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft Mississippi State Highway Department datum. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 351 ft^3/s, 20.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft^3/s Apr. 14, 1974, gage height, 23.28 ft, from floodmark; minimum, 1.8 ft^3/s Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft Oct. 31, Nov. 1, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1880, about 26 ft Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft, from information by local residents. Flood in April 1938 reached a stage of 20.7 ft, from information by Mississippi State Highway Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,310 ft^3/s Mar. 9, gage height 15.56 ft, only peak above base of 3,000 ft^3/s; minimum, 11.0 ft^3/s Sept 30, gage height 1.90 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	219	1600	182	898	178	59	45	43	33	90
2	13	14	135	1730	159	960	167	55	44	38	36	70
3	13	14	110	1150	164	638	421	446	41	34	75	53
4	13	15	143	375	194	401	471	1070	37	34	68	48
5	12	15	203	284	188	833	551	1050	34	25	157	36
6	12	14	738	243	164	1560	616	1030	34	21	233	48
7	12	14	975	213	144	1490	355	1070	33	19	144	67
8	12	17	872	193	126	1980	600	882	31	24	142	46
9	13	21	783	169	114	3150	1710	262	31	34	280	39
10	12	18	641	195	126	2490	1400	202	29	34	295	31
11	14	16	369	267	145	1590	1070	166	37	25	240	25
12	16	14	406	333	214	513	991	117	39	25	396	23
13	18	13	543	351	582	335	1020	89	28	30	395	21
14	16	21	628	260	913	303	607	73	24	69	291	20
15	14	26	433	256	1060	264	280	69	22	80	221	19
16	17	22	260	319	1240	223	271	78	27	51	221	19
17	20	24	203	338	1380	200	241	150	25	41	141	17
18	19	27	160	398	1340	187	190	99	26	32	103	16
19	18	33	134	557	1010	190	157	68	47	25	91	15
20	16	122	120	679	939	309	135	53	53	24	176	14
21	17	145	114	738	660	422	139	49	37	26	389	13
22	21	104	134	804	461	611	203	166	29	21	283	13
23	18	191	136	625	368	475	167	483	38	21	116	13
24	23	393	380	358	301	461	165	544	54	24	82	13
25	29	577	431	400	240	867	144	296	67	69	60	13
26	27	528	238	525	207	859	110	165	54	62	48	12
27	27	352	295	566	478	805	85	111	48	42	46	12
28	23	230	1470	427	734	694	73	83	37	33	38	12
29	19	301	2030	311	851	375	67	67	30	26	71	12
30	18	320	1570	250	---	269	63	57	25	26	85	11
31	16	---	1560	210	---	211	---	50	---	40	142	---
TOTAL	532	3615	16433	15124	14684	24563	12647	9159	1106	1098	5098	841
MEAN	17.2	121	530	488	506	792	422	295	36.9	35.4	164	28.0
MAX	29	577	2030	1730	1380	3150	1710	1070	67	80	396	90
MIN	12	13	110	169	114	187	63	49	22	19	33	11
CFSM	.07	.51	2.23	2.05	2.13	3.33	1.77	1.24	.16	.15	.69	.12
IN.	.08	.57	2.57	2.36	2.30	3.84	1.98	1.43	.17	.17	.80	.13

CAL YR 1983 TOTAL 199536 MEAN 547 MAX 7110 MIN 12 CFSM 2.30 IN 31.19
WTR YR 1984 TOTAL 104900 MEAN 287 MAX 3150 MIN 11 CFSM 1.21 IN 16.40

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway between Sunrise and Runnelstown, 3.0 mi south of Runnelstown, and 11.9 mi upstream from mouth.

DRAINAGE AREA.--612 mi^2.

PERIOD OF RECORD.--October 1939 to September 1982. October 1982 to current year (high-water records only, corrected). Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft higher.

REMARKS.--Records good. Daily mean discharge less than 1,000 ft^3/s not determined.

AVERAGE DISCHARGE.--43 years (water years 1939-82), 941 ft^3/s, 20.88 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft^3/s Feb. 24, 1961, gage height, 29.84 ft in gage well, 30.07 ft from outside gage, present datum; minimum, 29 ft^3/s Oct. 31, 1963; minimum gage height, 4.64 ft Nov. 3, 4-5, 6, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft in April 1900; flood in December 1919 reached a stage of 26½ ft, and flood in about 1865 reached a stage between 26½ ft and 30½ ft, all from information by local residents, at datum 5.00 ft higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,820 ft^3/s Dec. 28 gage height, 17.97 ft, only peak above base of 5,000 ft^3/s; minimum discharge, not determined.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	3660	---	1950	---	---			---	
2	---	---	---	3110	---	1890	---	---			---	
3	---	---	---	2940	---	1960	1900	1670			---	
4	---	---	1070	2270	---	2320	2500	2510			---	
5	---	---	---	1280	---	2090	1680	2750			---	
6	---	---	1910	1010	---	3870	1520	2670			---	
7	---	---	2890	---	---	4110	1460	2310			---	
8	---	---	2550	---	---	3950	1420	2080			---	
9	---	---	2060	---	---	3720	4370	1580			---	
10	---	---	1740	---	---	3970	4660	---			---	
11	1080	---	2230	1000	---	4260	3980	---			---	
12	---	---	1940	1020	---	3550	2780	---			1410	
13	---	---	1530	1020	1740	1630	2250	---			1330	
14	---	---	1500	1010	1930	1160	2120	---			1060	
15	---	---	1470	---	1980	1020	1540	---			1800	
16	---	---	1140	1460	2370	---	1040	---			1390	
17	---	---	---	1340	2780	---	---	---			---	
18	---	---	---	1490	2560	---	---	---			---	
19	---	---	---	2130	2370	---	---	---			---	
20	---	---	---	1920	2120	1180	---	---			---	
21	---	---	---	1770	1880	1500	---	---			---	
22	---	---	---	1730	1550	1570	---	---			---	
23	---	---	---	1740	1240	1490	---	1580			---	
24	---	1690	---	1540	1030	1360	---	1890			---	
25	---	1730	---	1370	---	2880	---	1420			---	
26	---	1670	---	1350	---	2740	---	---			---	
27	---	1500	---	1390	2530	2290	---	---			---	
28	---	1650	5720	1350	2320	1950	---	---			---	
29	---	1200	5980	1130	2060	1610	---	---			---	
30	---	---	5220	---	---	1120	---	---			---	
31	---	---	4530	---	---	---	---	---			---	
TOTAL	---	---	---	---	---	---	---	---			---	
MEAN	---	---	---	---	---	---	---	---			---	
MAX	---	---	---	---	---	---	---	---			---	
MIN	---	---	---	---	---	---	---	---			---	
CFSM	---	---	---	---	---	---	---	---			---	
IN.	---	---	---	---	---	---	---	---			---	

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

LOCATION.--Lat 31°13'27", long 89°03'01", in NE¼ SW¼ sec.13, T.3 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on left bank at downstream abutment of bridge on State Highway 29, 4.2 mi downstream from Tallahala Creek and 1.4 mi north of courthouse in New Augusta, and at mile 43.6.

DRAINAGE AREA.--2,542 mi2.

PERIOD OF RECORD.--December 1983 to September 1984.

GAGE.--Water-stage recorder. Datum of gage is 72.00 ft National Geodetic Vertical Datum of 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,900 ft3/s Dec. 30, gage height 20.13 ft; minimum discharge, 747 ft3/s Sept. 30, gage height 1.59 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	14900	2740	7770	3190	1700	1660	1840	1400	1650
2			---	10800	2770	6660	2970	1840	1550	1500	1200	1470
3			---	7540	3170	5380	4820	2470	1460	1640	1200	1300
4			---	6080	3240	6120	8460	6000	1400	1480	1300	1420
5			---	4470	2920	6580	7190	11000	1350	1150	2500	1590
6			---	3750	2590	11300	6470	9000	1300	1050	2900	1570
7			---	3390	2270	15400	5550	6400	1260	1050	2700	1290
8			---	3120	2410	17200	4770	5200	1250	2130	2400	1120
9			6390	2920	2320	16800	11600	4300	1210	1690	2200	1060
10			5600	3090	2490	14300	15600	3300	1160	1470	2000	1010
11			6060	3660	3110	9950	12800	2900	1120	1350	1800	967
12			7300	4580	3170	7930	9670	2500	1080	1220	2540	954
13			7160	5280	5350	5650	7770	2300	1080	1180	3240	937
14			7050	5030	7760	4600	5970	2000	1100	1660	3290	915
15			6940	4180	7850	4220	4970	1910	1130	1790	4970	891
16			5640	4990	8210	3890	4080	2030	1110	1730	4380	868
17			4090	5200	9490	3630	3640	1910	1070	1750	3480	845
18			3390	5190	9060	3410	3350	1810	1060	1740	2560	837
19			2860	7200	8380	3270	3060	1850	1050	1680	2010	830
20			2430	8100	7670	4520	2870	1670	1030	1470	1800	815
21			2230	7710	6120	6010	2730	2170	990	1220	1570	806
22			2170	6870	5190	5660	2770	4750	991	1070	1620	803
23			2370	5710	4380	5090	2880	9440	965	1030	2150	808
24			3300	5070	3800	4330	2770	9700	1200	1090	1740	811
25			4090	5400	3380	7130	2480	5950	1220	1250	1400	820
26			4020	5720	3110	9490	2240	4130	1300	1060	1370	806
27			3120	5250	8290	8050	2230	3060	1330	1050	1600	795
28			10800	4370	9960	6620	2050	2500	1150	1100	2540	783
29			18300	3660	8620	5250	1940	2480	1070	1060	2060	758
30			19700	3230	---	4180	1790	2100	1240	1680	1930	757
31			17700	2950	---	3570	---	1830	---	1680	1810	---
TOTAL			---	169410	149820	223960	152680	120200	35886	43860	69660	30296
MEAN			---	5465	5166	7225	5089	3877	1196	1415	2247	1010
MAX			---	14900	9960	17200	15600	11000	1660	2130	4970	1650
MIN			---	2920	2270	3270	1790	1670	965	1030	1200	757
CFSM			---	2.15	2.03	2.84	2.00	1.53	.47	.56	.88	.40
IN.			---	2.48	2.19	3.28	2.23	1.76	.53	.64	1.02	.44

PASCAGOULA RIVER BASIN

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	16.14	4.54	9.88	5.03	3.12	3.20	3.44	---	3.05
2			---	12.65	4.56	8.78	4.76	3.32	3.05	2.97	---	2.79
3			---	9.68	5.04	7.47	6.81	4.13	2.93	3.16	---	2.54
4			---	8.31	5.12	8.23	10.53	---	2.85	2.92	---	2.72
5			---	6.71	4.72	8.70	9.31	---	2.79	2.44	---	2.95
6			---	5.95	4.31	13.12	8.59	---	2.71	2.27	---	2.93
7			---	5.53	3.89	16.59	7.64	---	2.68	2.26	---	2.52
8			---	5.21	4.06	18.01	6.81	---	2.66	3.75	---	2.25
9			8.60	4.96	3.95	17.75	13.35	---	2.60	3.19	---	2.17
10			7.84	5.18	4.16	15.70	16.74	---	2.54	2.87	---	2.08
11			8.27	5.84	4.93	11.91	14.39	---	2.48	2.70	---	2.01
12			9.45	6.82	5.00	10.02	11.66	---	2.43	2.49	4.21	1.99
13			9.32	7.52	7.41	7.75	9.87	---	2.44	2.43	5.09	1.96
14			9.22	7.26	9.87	6.64	8.08	---	2.47	3.12	5.14	1.92
15			9.12	6.38	9.95	6.22	7.03	3.42	2.50	3.30	7.04	1.88
16			7.88	7.20	10.30	5.85	6.05	3.57	2.47	3.21	6.40	1.84
17			6.30	7.42	11.50	5.55	5.55	3.42	2.41	3.24	5.37	1.79
18			5.52	7.40	11.09	5.28	5.21	3.31	2.39	3.21	4.25	1.78
19			4.89	9.34	10.45	5.13	4.87	3.36	2.36	3.13	3.53	1.77
20			4.35	10.19	9.78	6.54	4.63	3.12	2.32	2.82	3.25	1.74
21			4.09	9.83	8.24	8.12	4.46	---	2.26	2.46	2.93	1.72
22			4.01	9.03	7.26	7.76	4.51	---	2.25	2.22	3.01	1.71
23			4.27	7.89	6.39	7.17	4.66	11.43	2.21	2.15	3.73	1.72
24			5.42	7.24	5.73	6.34	4.52	11.68	2.57	---	3.17	1.72
25			6.31	7.57	5.25	9.20	4.15	8.10	2.60	---	2.69	1.73
26			6.23	7.89	4.93	11.49	3.84	6.19	2.71	---	2.64	1.71
27			5.20	7.40	10.31	10.14	3.83	4.97	2.74	---	2.97	1.68
28			12.49	6.47	11.92	8.74	3.59	4.29	2.46	---	4.23	1.66
29			18.92	5.68	10.68	7.33	3.44	4.26	2.33	---	3.60	1.63
30			19.98	5.16	---	6.17	3.23	3.78	2.60	---	3.43	1.61
31			18.48	4.82	---	5.47	---	3.42	---	---	3.27	---
TOTAL			---	234.67	205.34	283.05	207.14	---	77.01	---	---	61.5
MEAN			---	7.57	7.08	9.13	6.90	---	2.57	---	---	2.0
MAX			---	16.14	11.92	18.01	16.74	---	3.20	---	---	3.0
MIN			---	4.82	3.89	5.13	3.23	---	2.21	---	---	1.6

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near right bank at downstream side of bridge on county highway, 0.5 mi upstream from Linda Creek, 1.0 mi downstream from Sweetwater Creek, 3.5 mi upstream from State Highway 42, and 6.0 mi northwest of Richton.

DRAINAGE AREA.--344 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1943, 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft, from topographic map.

REMARKS.--Records good except for those period of doubtful or no gage height record, Aug. 4 to Sept. 19 which are poor.

AVERAGE DISCHARGE.--14 years, 588 ft^3/s, 23.23 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft^3/s Dec. 28, 1973, gage height, 27.63 ft from floodmark; minimum, 6.2 ft^3/s Aug. 1, 2, 4, 5, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26½ ft and the flood of Mar. 21, 1943, reached a stage of 25.7 ft at site 3.5 mi downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft^3/s was measured Oct. 16, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,700 ft^3/s, gage height 16.01 ft, only peak above base of 4,000 ft^3/s; minimum, 10 ft^3/s Sept. 30, gage height 3.11 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	27	418	3430	247	1060	286	83	79	47	62	100
2	21	27	356	2340	215	1060	231	78	72	230	50	84
3	18	25	283	1660	233	1220	1090	1080	64	217	51	62
4	17	26	504	1060	370	1570	1740	1890	60	139	100	98
5	15	33	436	565	442	1700	1560	1470	54	100	140	70
6	14	29	994	409	387	2220	1210	914	48	64	160	54
7	16	27	1430	340	327	2240	1110	1040	44	57	250	44
8	15	28	1030	292	259	1930	1130	1300	40	219	220	42
9	16	27	884	258	204	2080	2440	1070	36	146	170	40
10	19	23	963	324	209	1970	2790	419	32	81	160	37
11	64	21	1580	443	322	1510	2000	224	29	53	190	34
12	77	21	1930	418	438	897	2290	163	26	39	340	34
13	66	20	1330	390	1210	452	2200	132	24	35	320	32
14	50	22	823	368	1280	351	1620	111	22	36	250	29
15	41	39	691	394	941	306	963	102	21	140	430	28
16	36	53	559	756	1200	270	491	96	20	61	330	26
17	33	47	366	792	1510	237	354	90	24	47	250	24
18	32	37	265	946	1330	209	271	90	32	44	150	22
19	30	37	219	1490	1080	198	215	84	30	32	120	21
20	29	264	169	1350	898	510	179	70	28	31	110	20
21	28	189	157	1030	730	707	154	113	26	42	98	17
22	65	130	149	929	526	582	140	640	24	35	180	16
23	69	173	180	877	423	530	135	660	22	29	210	16
24	46	496	258	760	355	766	161	354	32	34	100	16
25	36	463	270	751	297	1630	159	356	28	37	86	15
26	34	409	237	688	302	1680	145	361	55	56	70	13
27	31	477	211	584	1760	1260	125	220	50	48	56	12
28	29	831	3030	520	1890	1270	103	140	34	51	180	12
29	28	718	6290	440	1300	1290	95	107	27	45	110	11
30	28	484	5990	358	---	999	89	91	33	191	92	10
31	27	---	5110	290	---	482	---	81	---	96	92	---
TOTAL	1053	5203	37112	25252	20685	33186	25476	13629	1116	2482	5127	1039
MEAN	34.0	173	1197	815	713	1071	849	440	37.2	80.1	165	34.6
MAX	77	831	6290	3430	1890	2240	2790	1890	79	230	430	100
MIN	14	20	149	258	204	198	89	70	20	29	50	10
CFSM	.10	.50	3.48	2.37	2.07	3.11	2.47	1.28	.11	.23	.48	.10
IN.	.11	.56	4.01	2.73	2.24	3.59	2.75	1.47	.12	.27	.55	.11

CAL YR 1983 TOTAL 293672 MEAN 805 MAX 11000 MIN 14 CFSM 2.34 IN 31.76
WTR YR 1984 TOTAL 171360 MEAN 468 MAX 6290 MIN 10 CFSM 1.36 IN 18.53

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi east of McLain, 1.8 mi downstream from Atkinson Creek, 5.5 mi upstream from Big Oktibee Creek, and 14.6 mi upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,495 mi^2.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 5,480 ft^3/s, 21.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft^3/s Feb. 26, 1961, gage height, 31.64 ft; minimum, 478 ft^3/s Oct. 22, 1963; minimum gage height, 1.78 ft Oct. 28, 29, Nov. 1, 2, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 32 ft, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,500 ft^3/s Jan. 1, gage height, 21.00 ft; minimum, 880 ft^3/s Sept. 30, gage height 2.54 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1160	1070	4860	28800	4220	12700	4560	2190	2030	1700	1880	2380
2	1120	1060	4180	25100	3830	10600	3870	2120	1890	1920	1650	2150
3	1100	1050	3530	19200	3950	8780	5610	4100	1770	1970	1640	1940
4	1100	1060	6220	12700	5140	8620	11700	12800	1680	2040	1740	1840
5	1080	1090	7140	8390	5000	9960	12600	14400	1610	1770	2700	2100
6	1060	1100	7750	6010	4510	12900	10200	13600	1560	1540	4020	1950
7	1040	1090	11400	5060	3960	17300	8780	11700	1520	1440	4400	1760
8	1020	1100	12200	4510	3580	20300	7650	9320	1480	1680	3940	1480
9	1000	1100	10400	4130	3320	22100	13900	7100	1460	2780	3230	1350
10	1000	1090	8530	4670	3280	22400	18400	5420	1410	2030	2970	1280
11	1140	1080	9070	5340	4140	20200	20500	3990	1370	1910	2660	1210
12	4950	1070	12700	5700	4580	14900	18200	3250	1330	1720	2680	1160
13	2860	1040	11600	6370	7470	10000	14500	2780	1310	1480	3930	1150
14	1980	1040	10600	6560	10600	6570	11200	2450	1330	1620	4120	1110
15	1640	1100	9680	5870	11100	5430	8470	2250	1360	2390	5460	1070
16	1460	1310	8510	6560	10900	4850	6370	2190	1390	2490	6190	1040
17	1350	1410	6350	7750	12900	4420	4920	2230	1380	2370	5020	1020
18	1260	1340	4960	8240	13400	4070	4240	2060	1430	2530	3830	996
19	1210	1300	4130	12000	12300	3830	3800	2070	1360	2350	2810	989
20	1180	4230	3540	12500	11200	6630	3460	1960	1310	2000	2320	971
21	1150	5640	3160	11800	9350	9460	3190	1920	1260	1710	2190	954
22	1140	4430	3200	10500	7640	8450	3050	4820	1220	1460	1960	951
23	1340	4060	3260	9120	6320	7190	3100	10300	1200	1340	2340	954
24	1560	7880	3660	7960	5310	6460	3100	12400	1420	1900	2450	947
25	1420	9000	4650	8380	4570	9170	2920	9640	1570	1840	2130	955
26	1310	7590	5040	8580	4090	13400	2720	5980	1510	1570	3100	957
27	1240	6590	4540	8330	13300	13400	2630	4330	1580	1450	2670	940
28	1190	8240	12000	7820	18400	11000	2530	3340	1520	1590	2540	921
29	1150	7450	22000	6700	15800	8900	2380	2920	1370	3320	3380	911
30	1120	5780	25600	5530	---	7140	2280	2640	1360	2730	2910	890
31	1100	---	28500	4750	---	5710	---	2240	---	2420	2700	---
TOTAL	43430	92390	272960	284930	224160	326840	220830	168510	43990	61060	95560	38326
MEAN	1401	3080	8805	9191	7730	10540	7361	5436	1466	1970	3083	1278
MAX	4950	9000	28500	28800	18400	22400	20500	14400	2030	3320	6190	2380
MIN	1000	1040	3160	4130	3280	3830	2280	1920	1200	1340	1640	890
CFSM	.40	.88	2.52	2.63	2.21	3.02	2.11	1.56	.42	.56	.88	.37
IN.	.46	.98	2.91	3.03	2.39	3.48	2.35	1.79	.47	.65	1.02	.41

CAL YR 1983 TOTAL 3244960 MEAN 8890 MAX 74000 MIN 1000 CFSM 2.54 IN 34.54
WTR YR 1984 TOTAL 1872986 MEAN 5117 MAX 28800 MIN 890 CFSM 1.46 IN 19.94

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft upstream from Illinois Central Railroad bridge, 1.2 mi east of Chunky, 3.2 mi upstream from Tallahatta Creek, 5.5 mi downstream from Concobona Creek, and 18.2 mi upstream from mouth.

DRAINAGE AREA.--369 mi^2.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

REVISED RECORDS.--WSP 1724: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft National Geodetic Vertical Datum of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 501 ft^3/s, 18.44 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,900 ft^3/s Mar. 4, 1979; gage height, 26.64 ft; minimum, 1.6 ft^3/s Sept. 28-30, 1954; minimum gage height, 2.08 ft Oct. 21, 22, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,550 ft^3/s Mar. 7, gage height 10.14 ft, no peak above base of 5,000 ft^3/s; minimum discharge, 14 ft^3/s Sept. 29, 30, gage height 2.18 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	58	301	620	345	812	319	185	76	31	89	50
2	42	59	250	531	327	568	298	392	73	37	84	40
3	39	59	274	487	345	502	1010	857	70	46	105	36
4	38	63	822	440	448	466	1530	1920	68	34	119	32
5	37	118	1160	402	386	1590	1540	2710	64	31	187	29
6	36	147	2180	373	318	2770	695	1330	61	31	249	26
7	33	111	2330	340	274	3400	477	504	59	93	279	24
8	33	90	1780	305	259	2200	671	388	59	748	158	23
9	35	85	641	284	254	830	2360	364	58	290	144	23
10	34	83	429	441	518	618	2950	296	55	129	124	30
11	33	75	974	1040	1400	525	2690	232	52	70	98	38
12	37	71	2140	712	1530	472	1020	195	56	49	104	36
13	46	69	2000	476	2240	441	630	171	49	47	119	25
14	70	70	1170	403	2320	411	518	155	49	140	93	23
15	69	74	723	378	1850	379	432	263	51	173	77	23
16	62	125	512	449	1140	356	377	573	50	103	83	20
17	54	120	404	433	1610	344	344	258	47	73	70	21
18	50	100	368	837	1190	381	314	161	58	85	80	21
19	47	89	332	1610	714	413	297	135	48	75	96	16
20	46	559	297	1420	586	870	373	126	44	54	73	16
21	45	1020	278	726	503	1190	379	138	41	47	88	16
22	46	504	1120	512	458	650	316	215	60	36	150	16
23	82	947	1840	460	409	451	297	320	108	31	80	15
24	113	1670	1330	1040	369	478	263	243	64	29	102	15
25	98	1340	556	1740	337	1020	213	168	53	32	74	16
26	75	492	389	1360	332	878	189	135	44	65	54	16
27	65	374	398	783	1600	540	210	116	35	45	45	15
28	61	963	1730	596	2260	505	239	120	32	46	41	15
29	60	878	2620	500	1910	538	211	113	30	328	52	14
30	59	427	2760	438	---	451	192	95	29	508	45	14
31	58	---	1470	383	---	362	---	84	---	171	59	---
TOTAL	1658	10840	33578	20519	26232	25411	21354	12962	1643	3677	3221	704
MEAN	53.5	361	1083	662	905	820	712	418	54.8	119	104	23.5
MAX	113	1670	2760	1740	2320	3400	2950	2710	108	748	279	50
MIN	33	58	250	284	254	344	189	84	29	29	41	14
CFSM	.15	.98	2.94	1.79	2.45	2.22	1.93	1.13	.15	.32	.28	.06
IN.	.17	1.09	3.39	2.07	2.64	2.56	2.15	1.31	.17	.37	.32	.07

WTR YR 1984 TOTAL 161799 MEAN 442 MAX 3400 MIN 14 CFSM 1.20 IN 16.31

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'08", long 88°40'35", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi downstream from Southern Railway System bridge, and 9.5 mi upstream from mouth.

DRAINAGE AREA.--52.1 mi^2.

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mi upstream at datum 3.00 ft higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--34 years, 67.1 ft^3/s, 17.49 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft^3/s Apr. 6, 1964, gage height, 20.95 ft; maximum gage height, 22.98 ft Mar. 4, 1979; minimum discharge, 0.20 ft^3/s Oct. 4, 1954, and at times during July, August, September 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1900, 29.5 ft in February 1936, at site 0.6 mi upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft, at site 0.6 mi upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft at site 0.4 mi upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft lower than that of the flood in February 1936, at site 0.6 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,380 ft^3/s May 4, gage height 11.84 ft, only peak above base of 1,300 ft^3/s; minimum, 1.4 ft^3/s Sept. 29, 30, gage height 1.98 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	6.7	18	62	58	100	34	81	11	56	3.9	6.9
2	3.9	7.0	16	56	54	94	39	90	13	16	7.5	4.7
3	3.7	7.0	16	51	78	82	730	886	12	10	9.3	5.6
4	3.6	12	118	45	58	74	228	801	9.1	7.4	8.4	4.5
5	3.5	8.5	55	43	46	200	112	168	8.8	5.8	95	3.4
6	3.2	7.1	456	40	42	720	76	110	7.8	29	56	3.0
7	3.2	6.4	206	37	38	120	59	73	7.3	34	27	2.6
8	3.2	6.4	70	34	36	119	289	67	6.9	57	39	2.3
9	3.4	6.7	47	32	34	94	829	48	6.2	13	16	2.4
10	3.5	6.5	37	68	300	76	208	38	5.7	8.0	12	2.5
11	4.1	6.0	73	79	150	66	136	33	5.2	6.0	10	2.9
12	5.0	6.1	75	47	360	61	102	30	5.6	5.4	9.4	3.2
13	5.9	6.4	40	41	200	57	81	27	7.5	8.7	13	2.5
14	5.3	6.8	45	38	150	52	68	41	6.6	10	31	2.3
15	4.9	12	45	43	100	49	56	41	5.3	6.8	11	2.2
16	4.8	9.1	33	47	90	46	50	27	5.2	5.5	7.6	2.0
17	5.0	6.7	29	41	220	49	45	23	5.7	7.6	6.0	2.0
18	5.3	6.1	26	168	120	50	40	20	5.4	5.2	5.2	2.0
19	6.0	120	26	244	100	51	51	19	4.8	4.2	4.5	1.9
20	6.8	223	25	102	90	155	53	19	4.3	3.4	4.9	1.8
21	6.8	22	37	74	78	76	39	51	8.6	3.0	4.3	1.8
22	6.2	110	170	60	68	52	112	151	15	2.8	5.5	1.7
23	6.8	609	63	69	64	45	51	47	7.1	2.6	4.8	1.7
24	6.8	150	40	170	60	96	36	31	10	27	3.8	1.8
25	6.2	36	30	186	58	132	30	23	6.2	8.5	3.7	1.7
26	6.1	24	30	114	700	65	31	19	4.0	4.8	7.2	1.7
27	5.9	54	176	105	200	54	56	17	3.9	3.8	4.4	1.6
28	5.9	58	990	90	150	52	36	15	3.4	17	4.2	1.6
29	6.1	27	580	80	110	46	31	13	16	9.8	53	1.4
30	6.1	21	130	72	---	39	30	12	46	5.8	57	1.4
31	6.3	---	79	64	---	36	---	11	---	4.0	11	---
TOTAL	157.7	1587.5	3781	2402	3812	3008	3738	3032	263.6	388.1	535.6	77.1
MEAN	5.09	52.9	122	77.5	131	97.0	125	97.8	8.79	12.5	17.3	2.57
MAX	6.8	609	990	244	700	720	829	886	46	57	95	6.9
MIN	3.2	6.0	16	32	34	36	30	11	3.4	2.6	3.7	1.4
CFSM	.10	1.02	2.34	1.49	2.51	1.86	2.40	1.88	.17	.24	.33	.05
IN.	.11	1.13	2.70	1.72	2.72	2.15	2.67	2.16	.19	.28	.38	.06

CAL YR 1983 TOTAL 43838.4 MEAN 120 MAX 2350 MIN 3.2 CFSM 2.30 IN 31.30
WTR YR 1984 TOTAL 22782.6 MEAN 62.2 MAX 990 MIN 1.4 CFSM 1.19 IN 16.27

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft downstream from Hognose Creek, 400 ft upstream from bridge on county road, 0.6 mi southeast of Arundel, and at mile 16.3.

DRAINAGE AREA.--342 mi2.

PERIOD OF RECORD.--October 1968 to current year. Daily mean gage heights published since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft downstream at same datum.

REMARKS.--Records good. Flow from 154 mi2 above the station, 21.3 mi upstream, regulated by Okatibee Lake since November 1968.

COOPERATION.--Six discharge measurements were furnished by Corps of Engineers.

AVERAGE DISCHARGE.--16 years, 561 ft3/s, 22.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft3/s Apr. 13, 1979, gage height, 21.51 ft; minimum daily, 20 ft^3/s Oct. 5, 26, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1961 reached a stage of 22.2 ft at county road bridge 400 ft downstream (from information by Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,860 ft3/s May 4, gage height, 15.01 ft; minimum daily, 52 ft^3/s Oct. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	56	733	954	514	978	262	149	105	164	564	110
2	62	57	714	921	408	931	255	363	100	98	380	104
3	55	55	420	896	427	622	1650	1480	103	77	306	99
4	54	104	539	866	440	482	1350	2580	97	73	302	115
5	55	85	530	534	395	1730	1000	1030	95	72	523	105
6	58	63	1600	388	365	2240	949	797	89	69	620	101
7	59	60	1020	359	354	1150	882	697	87	102	441	100
8	58	60	821	338	346	1220	973	480	85	302	466	97
9	57	59	838	323	265	1310	2350	399	83	101	429	96
10	57	57	788	487	605	1340	1570	288	79	202	408	96
11	58	54	877	525	857	1320	1180	235	76	268	416	95
12	60	54	501	403	727	1290	1250	195	75	269	398	102
13	65	55	679	363	1620	770	1310	166	76	287	390	95
14	62	56	840	341	933	402	919	289	76	367	440	92
15	59	70	802	357	907	350	610	461	73	309	221	92
16	60	69	747	370	1090	324	548	236	77	286	146	89
17	60	65	500	346	1110	316	344	173	83	287	108	88
18	58	60	243	728	975	316	261	151	73	277	116	90
19	57	61	222	1240	950	304	272	140	71	269	136	89
20	58	962	330	743	920	585	296	139	69	265	147	87
21	56	225	259	826	862	476	248	165	68	329	151	89
22	59	334	709	871	825	701	412	708	98	375	134	89
23	66	1530	546	861	539	792	288	294	81	377	131	88
24	61	1290	671	872	421	764	215	203	84	403	126	87
25	59	414	734	955	394	734	191	168	75	530	122	87
26	59	554	701	712	385	440	172	147	68	563	123	83
27	55	813	511	868	1690	361	225	135	65	564	127	82
28	54	788	2060	903	1170	343	179	128	64	689	120	82
29	53	705	1710	866	966	393	154	120	69	638	130	83
30	52	763	1080	834	---	308	145	113	110	604	250	85
31	55	---	1010	791	---	278	---	108	---	575	129	---
TOTAL	1832	9578	23735	20841	21460	23570	20460	12737	2454	9791	8500	2797
MEAN	59.1	319	766	672	740	760	682	411	81.8	316	274	93.2
MAX	91	1530	2060	1240	1690	2240	2350	2580	110	689	620	115
MIN	52	54	222	323	265	278	145	108	64	69	108	82
CFSM	.17	.93	2.24	1.97	2.16	2.22	1.99	1.20	.24	.92	.80	.27
IN.	.20	1.04	2.58	2.27	2.33	2.56	2.23	1.39	.27	1.06	.92	.30

CAL YR 1983 TOTAL 350190 MEAN 959 MAX 5640 MIN 52 CFSM 2.80 IN 38.09
WTR YR 1984 TOTAL 157755 MEAN 431 MAX 2580 MIN 52 CFSM 1.26 IN 17.16

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIG~~HT (FEET ABOVE~~ DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.62	3.09	7.66	8.59	6.66	8.70	5.19	4.25	3.79	4.40	6.81	3.84
2	3.27	3.11	7.58	8.45	6.12	8.49	5.14	5.83	3.72	3.69	5.83	3.77
3	3.21	3.09	6.12	8.34	6.22	7.16	11.46	10.51	3.76	3.42	5.39	3.71
4	3.18	3.62	6.79	8.21	6.29	6.52	10.27	14.36	3.68	3.37	5.35	3.90
5	3.15	3.52	6.65	6.74	6.04	11.41	8.80	8.91	3.65	3.34	6.37	3.78
6	3.17	3.22	11.32	6.00	5.87	13.39	8.57	7.92	3.59	3.30	7.01	3.74
7	3.15	3.17	8.89	5.83	5.80	9.44	8.28	7.50	3.55	3.72	6.17	3.72
8	3.13	3.16	8.02	5.70	5.75	9.73	8.68	6.50	3.53	5.32	6.30	3.69
9	3.12	3.15	8.08	5.61	5.21	10.16	13.82	6.07	3.51	3.73	6.10	3.67
10	3.12	3.11	7.88	6.52	6.85	10.25	11.17	5.37	3.45	4.65	5.97	3.68
11	3.14	3.07	8.26	6.73	8.18	10.19	9.56	5.00	3.40	5.22	6.02	3.66
12	3.16	3.07	6.59	6.09	7.60	10.06	9.89	4.67	3.40	5.22	5.91	3.74
13	3.25	3.09	7.42	5.86	11.42	7.80	10.13	4.42	3.41	5.33	5.87	3.66
14	3.19	3.11	8.09	5.72	8.50	6.08	8.45	5.04	3.41	5.85	6.13	3.62
15	3.15	3.31	7.93	5.82	8.39	5.78	7.12	6.35	3.37	5.48	4.69	3.62
16	3.17	3.30	7.71	5.90	9.21	5.61	6.84	4.99	3.41	5.32	4.06	3.59
17	3.17	3.24	6.54	5.75	9.25	5.56	5.72	4.48	3.50	5.33	3.65	3.57
18	3.14	3.17	5.05	7.59	8.69	5.56	5.19	4.28	3.36	5.25	3.73	3.60
19	3.12	3.18	4.89	9.82	8.58	5.48	5.26	4.17	3.34	5.20	3.95	3.58
20	3.13	8.60	5.64	7.70	8.45	7.01	5.43	4.16	3.31	5.16	4.05	3.55
21	3.11	4.88	5.16	8.04	8.19	6.48	5.09	4.39	3.29	5.58	4.09	3.58
22	3.15	5.55	7.54	8.23	8.03	7.50	6.07	7.52	3.68	5.86	3.91	3.58
23	3.26	10.99	6.81	8.19	6.78	7.89	5.37	5.40	3.48	5.87	3.88	3.57
24	3.18	10.02	7.39	8.24	6.19	7.79	4.84	4.74	3.52	6.02	3.82	3.55
25	3.15	6.13	7.66	8.60	6.04	7.65	4.64	4.43	3.39	6.67	3.78	3.56
26	3.15	6.85	7.53	7.57	5.98	6.29	4.48	4.24	3.30	6.83	3.78	3.51
27	3.09	8.00	6.62	8.22	11.70	5.84	4.92	4.12	3.25	6.83	3.82	3.49
28	3.06	7.88	12.82	8.37	9.52	5.73	4.53	4.03	3.22	7.38	3.73	3.49
29	3.05	7.53	11.65	8.21	8.65	6.03	4.30	3.95	3.29	7.16	3.88	3.51
30	3.03	7.78	9.14	8.06	---	5.51	4.22	3.87	3.83	7.00	5.04	3.53
31	3.08	---	8.84	7.89	---	5.31	---	3.82	---	6.87	4.05	---
TOTAL	98.05	144.99	238.27	226.59	220.16	236.40	213.43	175.29	104.39	164.37	153.14	109.06
MEAN	3.16	4.83	7.69	7.31	7.59	7.63	7.11	5.65	3.48	5.30	4.94	3.64
MAX	3.62	10.99	12.82	9.82	11.70	13.39	13.82	14.36	3.83	7.38	7.01	3.90
MIN	3.03	3.07	4.89	5.61	5.21	5.31	4.22	3.82	3.22	3.30	3.65	3.49

CAL YR 1983 TOTAL 2898.40 MEAN 7.94 MAX 17.99 MIN 3.03
WTR YR 1984 TOTAL 2084.14 MEAN 5.69 MAX 14.36 MIN 3.03

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'32", long 88°49'10", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2.

DRAINAGE AREA.--918 mi2.

PERIOD OF RECORD.--August 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1334: 1953. WRD Miss. 1966: 1965. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft higher.

REMARKS.--Records good. Flow from 154 mi2 above the station, 38.4 mi upstream, regulated by Okatibbee Lake since November 1968.

AVERAGE DISCHARGE.--46 years, 1,268 ft3/s, 18.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft3/s Feb. 23, 1961, gage height, 42.94 ft, present datum; minimum, 18 ft3/s Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft present datum, Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of 42.2 ft present datum, from floodmark (from reports of National Weather Service).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,380 ft3/s Mar. 6, gage height 20.72 ft, only peak above base of 10,000 ft3/s; minimum, 118 ft3/s Oct. 6, gage height 5.13 ft.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.71	5.28	9.24	11.10	8.90	12.12	7.68	16.19	5.57	5.36	7.56	5.52
2	5.47	5.27	8.94	10.37	8.25	10.64	7.53	---	5.50	5.41	7.19	5.35
3	5.28	5.28	8.52	10.09	8.25	9.89	12.58	---	5.47	5.11	6.86	5.27
4	5.24	5.42	9.93	9.86	8.63	9.12	16.55	---	5.43	5.01	6.91	5.31
5	5.22	6.06	11.11	9.27	8.44	15.13	14.35	---	5.36	4.93	6.91	5.23
6	5.18	6.06	16.98	8.47	8.05	20.62	11.67	---	5.31	4.90	8.65	5.14
7	5.19	5.81	17.02	8.22	7.82	19.64	10.22	---	5.27	5.31	7.96	5.11
8	5.17	5.64	14.28	8.01	7.70	17.47	10.43	---	5.25	8.60	7.72	5.07
9	5.16	5.55	11.42	7.87	7.56	13.48	17.84	---	5.22	7.15	7.43	5.05
10	5.17	5.50	9.93	8.57	8.16	11.82	19.61	---	5.18	6.20	7.39	5.07
11	5.25	5.47	10.63	10.50	12.60	11.33	18.02	7.11	5.11	6.36	7.24	5.20
12	5.28	5.42	13.26	9.93	12.65	11.04	14.48	6.89	5.07	6.23	7.15	5.28
13	5.40	5.41	13.37	8.81	17.79	10.32	11.89	6.57	5.13	6.82	7.05	5.19
14	5.45	5.41	12.32	8.40	16.60	8.76	11.05	6.38	5.06	7.72	7.23	5.07
15	5.51	5.46	10.75	8.33	14.35	8.33	9.57	7.93	5.05	7.32	6.73	5.03
16	5.47	5.75	9.93	8.56	17.86	8.10	8.98	8.49	5.07	6.76	5.90	5.01
17	5.41	5.86	9.24	8.52	13.69	7.98	8.50	7.16	5.24	6.63	5.67	4.98
18	5.33	5.78	8.20	9.83	12.81	8.03	7.81	6.44	5.12	6.49	5.39	4.99
19	5.30	5.70	7.86	14.42	11.21	8.16	7.63	6.20	5.10	6.51	5.77	4.99
20	5.26	9.80	7.83	13.12	10.67	9.93	7.93	6.09	5.02	6.30	5.67	4.95
21	5.25	10.40	7.89	11.00	10.18	11.32	8.02	6.48	4.98	6.30	5.73	4.92
22	5.31	9.00	10.66	10.21	9.87	10.08	8.02	8.86	5.01	6.56	5.93	4.94
23	5.53	12.88	13.09	9.90	9.24	9.63	8.19	8.10	5.52	6.53	5.70	4.94
24	5.78	15.93	11.97	10.99	8.50	9.58	7.46	7.30	5.36	6.55	5.52	4.93
25	5.73	12.62	10.14	13.55	8.24	11.26	7.07	6.65	5.19	6.89	5.59	4.92
26	5.57	9.77	9.33	12.87	8.18	10.68	6.82	6.29	5.04	7.20	5.41	4.91
27	5.45	9.60	9.19	11.11	15.16	9.15	6.92	6.06	4.93	7.27	6.21	4.88
28	5.36	11.56	17.26	10.56	16.79	8.64	7.03	5.93	4.87	8.16	5.47	4.87
29	5.32	11.17	19.11	10.08	14.67	8.93	6.65	5.93	4.85	8.01	5.53	4.87
30	5.29	9.95	17.38	9.73	---	8.48	6.99	5.75	5.12	9.21	6.00	4.89
31	5.27	---	14.74	9.44	---	7.96	---	5.65	---	8.15	5.80	---
TOTAL	166.31	228.81	361.52	311.69	317.82	337.62	307.49	---	155.40	205.95	201.27	151.88
MEAN	5.36	7.63	11.66	10.05	10.96	10.89	10.25	---	5.18	6.64	6.49	5.06
MAX	5.78	15.93	19.11	14.42	17.79	20.62	19.61	---	5.57	9.21	8.65	5.52
MIN	5.16	5.27	7.83	7.87	7.56	7.96	6.65	---	4.85	4.90	5.39	4.87

CAL YR 1983 TOTAL 4103.08 MEAN 11.24 MAX 32.75 MIN 5.16

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.71	5.28	9.24	11.10	8.90	12.12	7.68	16.19	5.57	5.36	7.56	5.52
2	5.47	5.27	8.94	10.37	8.25	10.64	7.53	---	5.50	5.41	7.19	5.35
3	5.28	5.28	8.52	10.09	8.25	9.89	12.58	---	5.47	5.11	6.86	5.27
4	5.24	5.42	9.93	9.86	8.63	9.12	16.55	---	5.43	5.01	6.91	5.31
5	5.22	6.06	11.11	9.27	8.44	15.13	14.35	---	5.36	4.93	6.91	5.23
6	5.18	6.06	16.98	8.47	8.05	20.62	11.67	---	5.31	4.90	8.65	5.14
7	5.19	5.81	17.02	8.22	7.82	19.64	10.22	---	5.27	5.31	7.96	5.11
8	5.17	5.64	14.28	8.01	7.70	17.47	10.43	---	5.25	8.60	7.72	5.07
9	5.16	5.55	11.42	7.87	7.56	13.48	17.84	---	5.22	7.15	7.43	5.05
10	5.17	5.50	9.93	8.57	8.16	11.82	19.61	---	5.18	6.20	7.39	5.07
11	5.25	5.47	10.63	10.50	12.60	11.33	18.02	7.11	5.11	6.36	7.24	5.20
12	5.28	5.42	13.26	9.93	12.65	11.04	14.48	6.89	5.07	6.23	7.15	5.28
13	5.40	5.41	13.37	8.81	17.79	10.32	11.89	6.57	5.13	6.82	7.05	5.19
14	5.45	5.41	12.32	8.40	16.60	8.76	11.05	6.38	5.06	7.72	7.23	5.07
15	5.51	5.46	10.75	8.33	14.35	8.33	9.57	7.93	5.05	7.32	6.73	5.03
16	5.47	5.75	9.93	8.56	12.86	8.10	8.98	8.49	5.07	6.76	5.90	5.01
17	5.41	5.86	9.24	8.52	13.69	7.98	8.50	7.16	5.24	6.63	5.67	4.98
18	5.33	5.78	8.20	9.83	12.81	8.03	7.81	6.44	5.12	6.49	5.39	4.99
19	5.30	5.70	7.86	14.42	11.21	8.16	7.63	6.20	5.10	6.51	5.77	4.99
20	5.26	9.80	7.83	13.12	10.67	9.93	7.93	6.09	5.02	6.30	5.67	4.95
21	5.25	10.40	7.89	11.00	10.18	11.32	8.02	6.48	4.98	6.30	5.73	4.92
22	5.31	9.00	10.66	10.21	9.87	10.08	8.02	8.86	5.01	6.56	5.93	4.94
23	5.53	12.88	13.09	9.90	9.24	9.63	8.19	8.10	5.52	6.53	5.70	4.94
24	5.78	15.93	11.97	10.99	8.50	9.58	7.46	7.30	5.36	6.55	5.52	4.93
25	5.73	12.62	10.14	13.55	8.24	11.26	7.07	6.65	5.19	6.89	5.59	4.92
26	5.57	9.77	9.33	12.87	8.18	10.68	6.82	6.29	5.04	7.20	5.41	4.91
27	5.45	9.60	9.19	11.11	15.16	9.15	6.92	6.06	4.93	7.27	6.21	4.88
28	5.36	11.56	17.26	10.56	16.79	8.64	7.03	5.93	4.87	8.16	5.47	4.87
29	5.32	11.17	19.11	10.08	14.67	8.93	6.65	5.93	4.85	8.01	5.53	4.87
30	5.29	9.95	17.38	9.73	---	8.48	6.99	5.75	5.12	9.21	6.00	4.89
31	5.27	---	14.74	9.44	---	7.96	---	5.65	---	8.15	5.80	---
TOTAL	166.31	228.81	361.52	311.69	317.82	337.62	307.49	---	155.40	205.95	201.27	151.88
MEAN	5.36	7.63	11.66	10.05	10.96	10.89	10.25	---	5.18	6.64	6.49	5.06
MAX	5.78	15.93	19.11	14.42	17.79	20.62	19.61	---	5.57	9.21	8.65	5.52
MIN	5.16	5.27	7.83	7.87	7.56	7.96	6.65	---	4.85	4.90	5.39	4.87

CAL YR 1983 TOTAL 4103.08 MEAN 11.24 MAX 32.75 MIN 5.16

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°51'25", long 88°41'11", in NW¼ sec.10, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on county road, 0.5 mi southeast of Shubuta and at mile 114.0.

DRAINAGE AREA.--1,458 mi2.

PERIOD OF RECORD.--January 1972 to current year (gage heights only); 1905 to 1961 annual maximum observed gage heights and discharge. Gage height records collected in the vicinity October 1904 to December 1971 (seasonal gage heights only January 1906 to December 1923) are contained in reports of National Weather Service.

REVISED RECORDS.--WDR MS-79-1:(M).

GAGE.--Nonrecording gage. Datum of gage is 147.58 ft National Geodetic Vertical Datum of 1929. Nov. 1, 1904 to Apr. 18, 1923 at datum about 0.58 ft lower; Apr. 19, 1923 to Mar. 12, 1940 at datum 3.62 ft higher, Mar. 13, 1940 to Oct. 23, 1980 at site 3,500 ft downstream, at datum 0.28 ft lower.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft3/s Dec. 11, 1919 (gage height, 44.3 ft, former site and datum, 47.2 ft at present site and datum).
1904 to current year: Maximum gage height, 47.2 ft Dec. 11, 1919; minimum since January 1972, 2.25 ft Oct.5, 7, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 24.91 ft Dec. 29; minimum observed, 2.43 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.25	2.86	9.05	17.72	8.48	16.19	7.16	5.40	3.89	2.88	6.17	4.22
2	3.16	2.85	7.92	12.65	7.98	13.70	6.77	5.46	3.77	3.69	5.74	3.63
3	3.12	2.85	7.41	10.24	7.26	10.52	11.60	7.10	3.68	3.79	---	3.36
4	3.02	2.84	8.07	9.74	7.38	10.32	14.06	15.22	3.61	3.37	---	3.22
5	2.90	3.04	8.81	9.38	7.68	10.04	15.73	17.14	3.56	3.18	---	3.46
6	2.84	3.75	15.27	8.77	7.44	21.31	14.95	17.20	3.47	3.22	---	3.41
7	2.78	3.69	18.80	7.82	6.96	22.29	11.89	15.71	3.41	3.26	---	3.22
8	2.75	3.54	17.55	7.43	6.62	21.05	9.46	9.92	3.36	3.52	---	3.05
9	2.73	3.42	15.51	7.13	6.47	20.58	18.52	8.13	3.31	6.58	6.27	2.95
10	2.72	3.22	12.13	7.17	6.40	18.51	20.48	7.35	3.28	5.79	5.93	2.87
11	3.23	3.12	9.79	8.42	6.63	12.72	18.95	6.79	3.21	4.12	5.69	2.87
12	3.52	3.07	10.87	10.11	11.27	11.15	18.49	6.07	3.15	4.92	6.18	2.95
13	3.39	3.02	12.81	9.70	15.95	10.68	17.16	5.64	3.50	4.01	---	3.02
14	3.20	2.98	13.10	8.27	18.54	10.01	12.39	5.24	3.01	3.90	---	3.03
15	3.18	3.18	11.02	7.71	17.84	8.49	11.25	5.04	3.00	6.01	---	2.87
16	3.14	3.25	9.86	8.49	16.50	7.92	9.60	6.68	3.04	5.40	5.54	2.78
17	3.12	3.23	8.87	8.38	15.24	7.57	8.60	7.23	3.05	4.76	4.38	2.71
18	3.10	3.44	8.14	8.54	14.30	7.42	7.93	5.87	3.14	4.57	4.10	2.66
19	4.37	3.41	7.02	11.85	13.41	7.35	7.14	4.99	3.19	4.32	3.86	2.64
20	3.08	6.64	6.47	14.58	11.43	8.13	7.10	4.59	3.08	4.70	3.70	2.64
21	2.92	9.33	6.26	12.91	10.35	11.68	7.29	4.55	2.98	---	8.24	2.61
22	2.82	9.29	6.63	11.86	9.81	11.94	7.29	5.49	3.00	---	5.19	2.58
23	3.10	8.11	8.97	10.12	9.26	10.06	7.42	11.44	2.95	---	4.46	2.57
24	3.61	14.75	11.53	9.01	8.52	9.12	7.54	8.89	3.28	---	4.28	2.58
25	3.34	16.27	10.77	10.94	7.70	14.86	6.78	6.73	4.48	4.34	3.74	2.58
26	3.37	13.38	8.68	13.44	7.37	12.86	6.09	5.61	3.28	4.46	3.54	2.55
27	3.24	9.47	8.07	13.02	12.17	11.59	5.74	4.98	2.97	4.81	3.36	2.53
28	3.08	9.43	21.51	10.94	17.12	9.48	5.16	4.54	2.80	5.12	4.52	2.52
29	2.96	11.24	24.91	9.99	17.25	8.37	5.85	4.39	2.70	6.80	5.51	2.47
30	2.89	10.54	22.95	9.34	---	8.28	5.64	4.25	2.74	6.21	4.66	2.43
31	2.87	---	19.88	8.86	---	7.76	---	4.04	---	7.15	4.25	---
TOTAL	96.80	179.21	368.63	315.13	313.33	371.95	314.03	231.68	97.89	---	---	86.98
MEAN	3.12	5.97	11.89	10.17	10.80	12.00	10.47	7.47	3.26	---	---	2.90
MAX	4.37	16.27	24.91	17.72	18.54	22.29	20.48	17.20	4.48	---	---	4.22
MIN	2.72	2.84	6.26	7.13	6.40	7.35	5.16	4.04	2.70	---	---	2.43

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft downstream from bridge on U.S. Highway 84, 2.3 mi west of Waynesboro, and at mile 93.2.

DRAINAGE AREA.--1,650 mi2.

PERIOD OF RECORD.--September 1938 to September 1950; January 1972 to current year (gage heights only). Gage-height records collected at same site January 1947 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage and telemark gage. Datum of gage is 119.91 ft Mississippi State Highway Department datum. September 1938 to May 4, 1939, wire-weight gage and May 5, 1939, to September 1950, water-stage recorders, at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--12 years (1938-50), 2,575 ft3/s, 21.06 in/yr.

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft3/s Jan. 24, 1947 (gage height, 39.00 ft); minimum, 149 ft3/s Aug. 28, 1943 (gage height, 2.48 ft).
1947 to current year: Maximum gage height, 47.90 ft Feb. 26, 1961 (discharge, 58,300 ft3/s); minimumum since January 1972, 0.80 ft Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft at site 1.3 mi upstream, at datum 2.95 ft higher and about 50 ft at present site and datum (discharge about 73,000 ft3/s).

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 26.33 ft Dec. 29, minimum observed, 2.64 ft Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.48	4.17	11.94	20.08	9.86	17.90	9.01	7.20	5.48	4.15	7.98	4.86
2	4.40	4.13	11.33	16.90	9.53	16.23	8.57	7.01	5.21	4.71	7.07	4.31
3	4.36	4.11	10.53	12.71	8.85	13.04	8.75	8.04	5.10	5.49	6.89	3.90
4	4.34	4.09	10.08	11.44	9.08	12.25	15.02	14.32	4.98	5.19	7.01	3.71
5	4.19	4.90	10.03	10.91	9.14	11.41	16.83	18.12	4.88	4.65	6.92	3.60
6	4.06	4.29	11.78	10.53	9.03	20.44	16.72	18.01	4.83	4.41	7.15	3.82
7	4.01	4.93	19.05	9.59	8.53	23.00	15.76	17.72	4.74	4.57	7.74	3.70
8	3.93	4.97	19.46	9.03	8.14	22.62	13.60	13.47	4.69	5.30	8.21	3.47
9	3.90	4.91	17.75	8.71	7.92	21.76	18.54	10.20	4.60	5.00	7.72	3.29
10	3.89	4.79	14.92	8.71	7.84	21.05	21.22	9.22	4.54	8.16	7.40	3.20
11	3.89	4.62	11.77	9.52	8.08	17.40	21.28	8.56	4.48	6.64	7.64	3.13
12	4.33	4.48	12.07	10.57	10.83	12.97	20.66	7.95	4.40	5.76	7.73	3.22
13	4.83	4.40	13.33	11.40	15.03	12.15	20.13	7.41	4.36	6.32	7.66	3.27
14	4.82	4.33	14.09	10.15	18.90	11.73	19.42	7.03	4.91	5.48	7.78	3.26
15	4.69	4.48	13.85	9.27	19.20	10.55	12.97	6.71	4.21	6.31	8.53	3.21
16	4.57	4.79	12.13	10.12	18.20	9.60	11.81	6.57	4.21	6.84	6.67	3.06
17	4.48	4.85	10.54	10.16	17.60	9.24	10.45	8.34	4.39	6.42	5.48	2.97
18	4.43	4.78	9.72	10.24	15.81	9.01	9.82	8.14	4.33	6.03	4.65	2.92
19	4.43	4.75	8.93	12.81	15.11	8.84	9.09	7.21	4.39	5.66	---	2.88
20	5.64	5.52	8.02	---	13.70	9.13	8.74	6.51	4.36	5.43	4.15	2.86
21	4.45	8.94	7.66	15.65	12.07	12.57	8.78	6.14	4.24	5.74	4.85	2.86
22	4.13	10.98	7.85	14.03	11.39	13.31	8.86	6.56	4.13	5.06	7.41	2.81
23	4.24	11.12	8.55	12.34	10.86	12.40	8.83	10.96	4.14	5.01	5.93	2.79
24	4.46	11.58	12.21	11.04	10.25	10.93	9.40	12.25	6.28	6.77	5.07	2.78
25	4.81	11.17	12.98	11.45	9.35	14.06	8.94	9.18	5.45	5.99	4.41	2.77
26	4.76	16.98	11.68	13.69	8.87	16.22	8.30	7.66	5.72	5.68	4.00	2.86
27	4.71	14.73	9.72	14.53	11.51	13.84	7.80	6.79	4.79	5.83	3.92	2.73
28	4.61	12.41	22.15	12.90	16.68	12.18	7.49	6.30	4.27	6.12	4.16	2.72
29	4.48	11.80	26.33	11.52	18.40	10.45	7.40	6.02	4.02	6.91	6.41	2.69
30	4.35	12.02	25.54	10.81	---	9.77	7.37	5.77	4.19	7.94	5.70	2.64
31	4.25	---	22.75	10.31	---	9.62	---	5.60	---	7.84	5.22	---
TOTAL	136.92	214.02	418.74	---	349.76	425.67	371.56	280.97	140.32	181.41	---	96.29
MEAN	4.42	7.13	13.51	---	12.06	13.73	12.39	9.06	4.68	5.85	---	3.21
MAX	5.64	16.98	26.33	---	19.20	23.00	21.28	18.12	6.28	8.16	---	4.86
MIN	3.89	4.09	7.66	---	7.84	8.84	7.37	5.60	4.02	4.15	---	2.64

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 2.7 mi north of Denham, and 8.7 mi east of Waynesboro.

DRAINAGE AREA.--492 mi2.

PERIOD OF RECORD.--January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 141.15 ft National Geodetic Vertical Datum of 1929. Prior to water year 1975, at datum 3.94 ft lower.

REMARKS.--Records good except those for periods of no gage height record, Oct. 1 to Jan. 12 and June 10-15, which are poor.

AVERAGE DISCHARGE.--12 years, 872 ft3/s, 24.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft3/s Mar. 6, 1979, gage height, 34.90 ft, minimum, 7.8 ft3/s Sept. 21-22, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,050 ft3/s Dec. 31, gage height 23.89 ft, from floodmark, only peak above base of 4,000 ft3/s; minimum, 14 ft3/s June 24, gage height 4.02 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	56	780	3800	514	1470	523	274	94	60	158	284
2	54	54	680	2300	471	1400	473	283	87	73	131	191
3	51	52	560	1700	547	1070	1770	646	83	91	104	144
4	49	51	620	1280	651	898	2340	1370	79	112	89	120
5	47	50	800	1010	562	1560	1840	1360	75	126	95	101
6	46	55	1200	910	516	2790	1350	1140	72	131	137	175
7	45	59	1510	780	454	2570	1060	955	70	93	257	209
8	44	68	1800	680	403	2400	870	609	67	243	455	143
9	43	72	1930	580	373	2270	2290	441	65	255	367	107
10	42	69	1740	600	379	2300	2540	386	62	183	273	89
11	44	66	1590	640	458	2230	2380	339	62	293	207	77
12	53	62	1440	680	571	1300	2000	277	61	185	200	70
13	57	58	1200	677	1500	844	1840	232	61	128	255	61
14	52	61	1030	583	1620	744	1690	202	60	106	274	58
15	59	68	860	600	1580	681	1110	207	60	90	236	56
16	51	76	740	870	1690	620	940	169	76	109	251	55
17	47	90	640	780	1860	566	777	180	76	122	185	51
18	44	78	580	1060	1590	523	645	279	67	94	164	46
19	49	200	520	1800	1140	501	565	199	60	78	146	44
20	58	500	460	1400	892	1450	522	156	59	70	125	41
21	80	760	430	1160	760	1730	524	142	57	62	128	39
22	68	690	460	936	741	1420	523	260	54	57	108	37
23	80	610	505	750	681	1290	492	338	52	55	122	36
24	92	800	660	724	604	1380	468	439	55	63	145	35
25	84	1200	800	900	533	2210	439	400	73	79	153	34
26	78	1430	900	971	487	1780	371	278	102	76	122	32
27	72	1510	780	967	1640	1560	328	205	93	60	106	30
28	68	1300	2300	882	1740	1080	300	166	72	54	164	30
29	64	1100	3100	742	1570	811	293	140	63	54	169	29
30	61	880	4600	640	---	683	295	118	78	103	432	27
31	58	---	5680	567	---	590	---	105	---	175	339	---
TOTAL	1795	12125	40895	31969	26527	42721	31558	12295	2095	3480	6097	2451
MEAN	57.9	404	1319	1031	915	1378	1052	397	69.8	112	197	81.7
MAX	92	1510	5680	3800	1860	2790	2540	1370	102	293	455	284
MIN	42	50	430	567	373	501	293	105	52	54	89	27
CFSM	.12	.82	2.68	2.10	1.86	2.80	2.14	.81	.14	.23	.40	.17
IN.	.14	.92	3.09	2.42	2.01	3.23	2.39	.93	.16	.26	.46	.19

CAL YR 1983 TOTAL 491649 MEAN 1347 MAX 9030 MIN 42 CFSM 2.74 IN 37.17
WTR YR 1984 TOTAL 214008 MEAN 585 MAX 5680 MIN 27 CFSM 1.19 IN 16.18
OK,

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW¼ sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank at downstream side of bridge on State Highway 63, 0.5 mi southeast of Leakesville, 1.8 mi upstream from Faulk Ditch, and 29.1 mi upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi^2.

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1504: 1938-39.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 3,930 ft^3/s, 19.84 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft^3/s Feb. 28, 1961, gage height, 33.52 ft; minimum, 160 ft^3/s Oct. 30, 31, 1963, gage height, 6.74 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft, and a flood in July 1916 reached a stage of 34.12 ft, discharge, 68,000 ft^3/s, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft^3/s Dec. 31, gage height 24.96 ft, only peak above base of 15,000 ft^3/s; minimum, 470 ft^3/s Sept. 30, gage height 8.50 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	693	4790	18500	3710	9800	3300	1810	1170	757	1820	1620
2	771	676	4000	16400	3440	9120	2970	1730	1080	844	2290	1390
3	750	667	3280	12700	3380	7950	3640	3370	1010	937	2270	1220
4	728	664	3700	8690	3900	6870	7990	8610	958	999	1920	1170
5	720	669	4690	6490	3930	6170	9860	7940	916	998	1780	1440
6	708	672	5160	5080	3490	8050	9020	8290	885	909	2170	1090
7	687	706	7520	4420	3160	11900	7970	8110	865	849	2380	940
8	672	779	9710	3860	2880	13700	6610	7450	848	847	2390	923
9	658	814	10100	3480	2670	14000	7290	5320	830	1010	2430	877
10	668	808	8980	3950	2560	13300	10400	3540	815	1240	2230	799
11	851	769	7900	4580	2610	12300	12200	2830	797	1570	2030	745
12	908	725	8570	4210	2810	10100	12300	2440	784	1540	1950	712
13	852	691	7740	4290	4740	6770	11300	2120	774	1440	2180	698
14	921	678	6780	4330	7750	5230	10100	1850	781	1310	2400	690
15	885	711	6430	3870	9340	4590	8170	1670	804	1520	2600	680
16	809	872	5720	4290	9950	3890	5880	1600	787	2260	2580	671
17	765	1030	4580	4860	10300	3380	4750	1560	758	2330	2180	660
18	744	950	3780	5130	9810	3070	3960	1830	813	2620	1720	633
19	731	856	3300	7160	8390	2870	3430	1870	872	1880	1420	615
20	744	1730	2870	8230	7080	3590	3010	1600	829	1360	1290	599
21	931	3910	2540	8040	5880	6430	2780	1650	793	1140	1160	583
22	803	3470	2760	7430	4980	6790	2710	3230	764	1080	1380	575
23	873	3460	3070	6210	4500	6050	2690	3970	805	971	1950	566
24	1270	4570	3110	5220	4100	5460	2630	4050	1260	939	1590	557
25	1140	6410	4130	5270	3690	8240	2650	4080	1410	1180	1330	546
26	978	7370	4380	5900	3290	11000	2470	2900	1200	1340	1180	537
27	875	6880	3820	6370	7630	9630	2210	2160	1120	1170	1080	527
28	830	7410	6990	6440	10400	7250	2020	1850	966	1090	1050	517
29	794	6870	14500	5560	10000	5540	1910	1580	846	1510	1170	496
30	754	5610	17600	4660	---	4230	1860	1490	773	1580	1820	475
31	719	---	18900	4100	---	3620	---	1320	---	1740	1950	---
TOTAL	25339	72120	201400	199720	160370	230890	168080	103820	27313	40960	57690	23551
MEAN	817	2404	6497	6443	5530	7448	5603	3349	910	1321	1861	785
MAX	1270	7410	18900	18500	10400	14000	12300	8610	1410	2620	2600	1620
MIN	658	664	2540	3480	2560	2870	1860	1320	758	757	1050	475
CFSM	.30	.89	2.42	2.40	2.06	2.77	2.08	1.25	.34	.49	.69	.29
IN.	.35	1.00	2.79	2.76	2.22	3.19	2.32	1.44	.38	.57	.80	.33

CAL YR 1983 TOTAL 2609396 MEAN 7149 MAX 34100 MIN 658 CFSM 2.66 IN 36.09
WTR YR 1984 TOTAL 1311253 MEAN 3583 MAX 18900 MIN 475 CFSM 1.33 IN 18.13

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mi downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi west of Merrill, and at mile 80.8.

DRAINAGE AREA.--6,590 mi^2.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analysis for the current year at site 13.8 mi downstream (station 02479020).

AVERAGE DISCHARGE.--54 years, 10,031 ft^3/s, 20.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft^3/s Feb. 27, 1961, gage height, 30.66 ft; minimum, 696 ft^3/s Nov. 3, 1936; minimum gage height, 1.92 ft Oct. 21-26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 32.5 ft, and the flood of July 9, 1916, reached a stage of 31.0 ft, from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 51,600 ft^3/s Jan. 2, gage height, 22.17 ft; minimum discharge, 1,450 ft^3/s Sept. 30, gage height, 3.03 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2290	2000	11300	49500	9140	27200	9560	4850	4030	2490	4300	4810
2	2200	1950	9550	50900	8370	23400	8370	4700	3700	2940	4420	4160
3	2140	1920	8100	46700	8450	20000	9120	4920	3460	2970	5190	3700
4	2110	1910	8880	37600	10900	17500	16500	16400	3260	3230	4620	3370
5	2090	1990	12700	25200	10600	17600	21900	22800	3100	3090	4800	3600
6	2060	2000	13100	15700	9540	20800	22000	23100	2990	2810	6330	3650
7	2000	1980	17400	11700	8400	25900	19700	21700	2870	2550	8000	3190
8	1950	2000	20200	9950	7610	31100	17200	19600	2790	2630	7800	2780
9	1910	2070	20700	8860	7060	35500	20400	16000	2720	3730	6550	2560
10	1890	2100	19200	9890	6740	38700	26200	11700	2640	3550	6010	2400
11	2030	2070	18000	11800	7220	39200	31100	8540	2560	3420	5360	2250
12	4720	2020	21300	11300	8010	35300	33500	6980	2480	3520	5020	2130
13	5160	1950	21700	11300	10800	27300	31800	6050	2470	3350	5900	2060
14	3450	1910	19500	11700	16400	17700	27700	5350	2470	3140	6700	2020
15	3010	1940	17700	11100	19500	12700	22300	4830	2460	3510	7890	1960
16	2680	2140	16000	11200	20500	10800	17000	4500	2600	4800	9450	1890
17	2450	2530	13100	13100	22700	9490	12400	4480	2540	5100	8410	1860
18	2300	2610	10300	14100	24300	8620	10100	4370	2560	5950	6730	1800
19	2200	2470	8660	18200	23600	8070	8820	4530	2540	5670	5220	1760
20	2140	4310	7500	21300	20900	10200	7900	4420	2490	4420	4270	1730
21	2150	9670	6610	21400	18100	16300	7230	4630	2380	3500	3920	1690
22	2310	9280	7400	19900	14800	17300	6840	8400	2270	2980	3690	1670
23	2470	8080	8420	17800	12400	15700	6730	15300	2240	2740	4180	1650
24	2960	11000	7590	15300	10700	13700	6680	16900	3460	3150	4750	1630
25	3120	14900	8530	14800	9460	15700	6490	16500	3880	3580	4140	1610
26	2770	15200	9790	15700	8480	21800	6240	11600	3400	3400	4110	1610
27	2490	14500	9520	15700	16500	25400	5890	8250	3050	3160	4600	1580
28	2320	15600	15100	15500	28800	23600	5580	6550	2940	2990	3850	1540
29	2210	16700	29400	14200	30300	18700	5270	5680	2620	4250	4660	1510
30	2140	13800	37800	12000	---	14400	5010	5120	2410	5300	4930	1470
31	2060	---	44400	10300	---	11400	---	4540	---	4790	5320	---
TOTAL	77780	172600	479450	573700	410280	631080	435530	303290	85380	112710	171120	69640
MEAN	2509	5753	15470	18510	14150	20360	14520	9784	2846	3636	5520	2321
MAX	5160	16700	44400	50900	30300	39200	33500	23100	4030	5950	9450	4810
MIN	1890	1910	6610	8860	6740	8070	5010	4370	2240	2490	3690	1470
CFSM	.38	.87	2.35	2.81	2.15	3.09	2.20	1.49	.43	.55	.84	.35
IN.	.44	.97	2.71	3.24	2.32	3.56	2.46	1.71	.48	.64	.97	.39

CAL YR 1983 TOTAL 6549410 MEAN 17940 MAX 112000 MIN 1890 CFSM 2.72 IN 36.97
WTR YR 1984 TOTAL 3522560 MEAN 9624 MAX 50900 MIN 1470 CFSM 1.46 IN 19.88

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.99	3.68	10.37	21.92	9.16	17.19	9.40	6.26	5.60	4.20	5.82	6.23
2	3.90	3.62	9.40	22.09	8.69	15.94	8.69	6.14	5.32	4.64	5.92	5.71
3	3.83	3.59	8.52	21.49	8.73	14.66	9.13	6.30	5.11	4.66	6.52	5.32
4	3.80	3.58	8.97	19.80	10.16	13.52	13.00	12.90	4.93	4.90	6.08	5.03
5	3.78	3.67	11.15	16.50	10.02	13.59	15.42	15.75	4.79	4.77	6.22	5.23
6	3.74	3.68	11.38	12.66	9.40	14.95	15.47	15.85	4.68	4.51	7.34	5.28
7	3.68	3.66	13.48	10.59	8.71	16.79	14.51	15.34	4.57	4.26	8.45	4.87
8	3.62	3.68	14.76	9.63	8.21	18.31	13.37	14.46	4.49	4.34	8.32	4.48
9	3.58	3.76	14.95	8.99	7.84	19.40	14.75	12.81	4.43	5.34	7.50	4.27
10	3.56	3.79	14.29	9.59	7.63	20.05	16.89	10.61	4.35	5.19	7.12	4.11
11	3.71	3.76	13.74	10.68	7.95	20.15	18.31	8.79	4.27	5.08	6.65	3.95
12	6.05	3.70	15.17	10.40	8.46	19.34	18.96	7.79	4.19	5.16	6.39	3.82
13	6.47	3.62	15.35	10.41	10.11	17.20	18.51	7.15	4.18	5.01	7.03	3.75
14	5.10	3.58	14.44	10.61	12.99	13.56	17.35	6.64	4.18	4.83	7.60	3.70
15	4.70	3.62	13.61	10.27	14.42	11.14	15.56	6.25	4.17	5.15	8.38	3.64
16	4.39	3.83	12.83	10.33	14.88	10.12	13.27	5.98	4.31	6.22	9.35	3.56
17	4.15	4.23	11.38	11.36	15.71	9.36	10.99	5.97	4.25	6.45	8.71	3.52
18	4.00	4.32	9.84	11.89	16.28	8.84	9.74	5.88	4.27	7.07	7.62	3.46
19	3.90	4.18	8.86	13.85	16.02	8.50	8.96	6.01	4.25	6.88	6.54	3.41
20	3.83	5.71	8.13	15.18	15.03	9.72	8.39	5.92	4.20	5.92	5.80	3.37
21	3.85	9.47	7.54	15.23	13.78	12.96	7.96	6.08	4.08	5.14	5.51	3.33
22	4.01	9.24	8.05	14.62	12.21	13.44	7.69	8.62	3.97	4.67	5.32	3.30
23	4.18	8.50	8.72	13.64	10.99	12.68	7.63	12.47	3.94	4.45	5.73	3.28
24	4.66	10.20	8.19	12.47	10.09	11.70	7.59	13.22	5.09	4.83	6.18	3.25
25	4.81	12.29	8.79	12.21	9.35	12.66	7.46	13.02	5.47	5.22	5.69	3.23
26	4.47	12.44	9.55	12.65	8.76	15.35	7.29	10.55	5.06	5.06	5.65	3.23
27	4.20	12.06	9.38	12.66	12.84	16.65	7.04	8.60	4.74	4.84	6.06	3.19
28	4.02	12.61	12.23	12.60	17.67	16.02	6.81	7.50	4.63	4.68	5.45	3.15
29	3.91	13.14	17.80	11.94	18.10	14.08	6.58	6.88	4.32	5.74	6.11	3.11
30	3.83	11.73	19.85	10.78	---	12.01	6.39	6.47	4.11	6.60	6.33	3.06
31	3.75	---	21.13	9.82	---	10.45	---	6.02	---	6.22	6.62	---
TOTAL	129.47	188.94	371.85	406.86	334.19	440.33	343.11	282.23	135.95	162.03	208.01	118.84
MEAN	4.18	6.30	12.00	13.12	11.52	14.20	11.44	9.10	4.53	5.23	6.71	3.96
MAX	6.47	13.14	21.13	22.09	18.10	20.15	18.96	15.85	5.60	7.07	9.35	6.23
MIN	3.56	3.58	7.54	8.99	7.63	8.50	6.39	5.88	3.94	4.20	5.32	3.06

CAL YR 1983 TOTAL 4079.42 MEAN 11.18 MAX 26.80 MIN 3.56
WTR YR 1984 TOTAL 3121.81 MEAN 8.53 MAX 22.09 MIN 3.06

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30 52 42 , long 88 46 20 , on line between secs.15 and 22, T.2 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, on downstream side of bridge on State Highway 26, 2.1 mi east of Benndale, and at mile 67.0.

DRAINAGE AREA.--6,680 mi2.

PERIOD OF RECORD.--Water years 1958-60, 1962, 1964-65, 1970 to current year.

REVISED RECORD.--WDR MS-80-1: Drainage area.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1975 to September 1981.
WATER TEMPERATURE: August 1958 to September 1960, December 1975 to September 1981.

REMARKS.--Prior to Sept. 3, 1980, daily values of specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. Stream discharge determined 13.8 mi upstream (station 02479000). In water years 1958-59, 1962-63, and 1966-75, equivalent data was collected 13.8 mi upstream (station 02479000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 19...	1300	2220	76	5.2	24.0	5.7	8.1	96	270	K89	16	1
DEC 13...	1300	21900	50	6.5	13.0	32	9.8	94	K180	K62	11	2
FEB 13...	1500	11700	62	6.0	15.0	12	7.9	108	--	--	15	4
APR 10...	1300	26700	41	6.3	18.0	40	7.9	84	280	K73	10	2
JUN 18...	1600	2580	73	6.4	29.5	13	7.2	94	240	K48	13	1
AUG 26...	1430	3940	91	6.4	27.5	1.2	7.8	99	K67	K27	17	6

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 19...	4.3	1.3	8.1	50	.9	1.3	15	10	10	<.10	10	--
DEC 13...	3.2	.76	3.8	39	.5	1.4	9.0	7.7	6.0	<.10	7.3	47
FEB 13...	4.1	1.1	5.6	43	.7	1.1	11	7.0	8.4	<.10	9.2	51
APR 10...	3.1	.66	3.0	36	.4	1.0	8.0	4.4	5.0	<.10	6.1	30
JUN 18...	3.4	1.1	7.6	53	.9	1.3	12	4.6	9.9	.10	9.3	52
AUG 26...	4.7	1.2	8.0	49	.9	1.4	11	5.7	13	<.10	8.7	53

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	54	.07	324	.25	<.010	.30	.040	.020	.020	15	84
DEC 13...	36	.06	2780	<.10	.100	.30	.060	.020	.040	22	100
FEB 13...	44	.07	1610	.31	.060	1.1	.050	.020	<.010	22	97
APR 10...	28	.04	2160	.12	<.010	.50	.030	<.010	<.010	103	94
JUN 18...	45	.07	362	<.10	<.010	.30	.040	.040	<.010	21	73
AUG 26...	50	.07	564	.18	<.010	.60	.040	.030	.020	38	86

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
DEC										
13...	120	1	38	.6	<1	3	<3	2	250	2
FEB										
13...	30	1	40	<.5	<1	<1	<3	2	200	3
JUN										
18...	20	1	35	<.0	<1	<1	<3	12	19	1
AUG										
26...	70	2	43	<.0	1	<1	<3	3	560	1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
DEC										
13...	<4	56	<.1	<10	1	<1	<1	31	<6	8
FEB										
13...	<4	30	.3	<10	4	<1	<1	44	<6	12
JUN										
18...	<4	54	.1	<10	1	<1	1	52	<6	15
AUG										
26...	<4	37	<.1	<10	3	<1	<1	68	<6	22

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, near right bank at downstream side of downstream bridge of dual bridges on U.S. Highway 49, 1.1 mi southwest of Brooklyn, and 4.5 mi upstream from Chaney Creek.

DRAINAGE AREA.--355 mi^2.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1942-45, 1954-57, 1959, 1961, 1964-66 (revised). October 1970 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--14 years, 708 ft^3/s, 27.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,500 ft^3/s Apr. 7, 1983, gage height, 29.96 ft from floodmark; minimum, 66 ft^3/s, Oct. 3, 1982, gage height, 3.38 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft, discharge, 21,500 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 28	1630	*5580	16.47	Apr. 9	1230	5190	15.82
Feb. 27	1200	5220	15.88				

Minimum daily discharge, 124 ft^3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	141	496	1380	408	1260	324	220	237	294	325	276
2	127	146	421	978	410	998	311	209	192	229	222	215
3	159	147	597	766	1020	773	636	327	159	200	260	182
4	178	149	1960	662	1220	668	896	608	143	256	575	266
5	175	169	1150	601	799	850	852	476	131	251	616	373
6	156	179	1690	557	597	1560	748	596	119	233	605	280
7	132	171	1680	521	570	1260	557	527	115	186	643	228
8	127	168	1160	488	506	974	1200	332	110	417	806	184
9	124	164	815	467	470	838	4940	255	106	541	544	162
10	125	156	648	780	1210	681	3460	239	99	376	375	182
11	172	148	1770	869	1210	567	2270	212	94	234	310	163
12	282	143	1850	733	995	530	1630	188	89	177	546	148
13	455	143	1220	628	1820	732	1030	173	85	183	465	139
14	377	148	983	575	1250	771	745	164	168	257	420	131
15	303	179	841	624	972	584	670	159	267	465	403	128
16	252	256	662	893	1290	487	585	151	252	698	260	138
17	222	256	543	852	1380	441	506	142	242	402	226	132
18	209	220	484	1440	943	401	439	138	240	382	242	132
19	202	199	442	1960	772	408	363	136	212	236	194	131
20	193	991	408	1320	776	1590	316	136	176	178	168	137
21	186	920	367	987	680	1250	293	168	152	153	154	145
22	188	626	403	796	607	865	282	1640	137	137	142	146
23	265	824	459	702	523	677	279	1950	136	130	241	149
24	278	1550	411	853	464	583	272	1370	226	140	288	150
25	230	1080	364	1340	416	619	252	885	240	157	186	146
26	202	690	320	1050	442	579	230	623	208	163	169	143
27	189	731	440	840	4520	586	308	456	181	155	183	139
28	167	1420	4570	678	3030	612	321	328	165	170	1370	136
29	148	861	4460	565	1770	485	277	282	141	378	616	134
30	144	614	3000	500	---	390	241	277	221	786	585	132
31	141	---	2260	454	---	349	---	285	---	836	396	---
TOTAL	6239	13589	36874	25859	31070	23368	25233	13652	5043	9400	12535	5147
MEAN	201	453	1189	834	1071	754	841	440	168	303	404	172
MAX	455	1550	4570	1960	4520	1590	4940	1950	267	836	1370	373
MIN	124	141	320	454	408	349	230	136	85	130	142	128
CFSM	.57	1.28	3.35	2.35	3.02	2.12	2.37	1.24	.47	.85	1.14	.49
IN.	.65	1.42	3.86	2.71	3.26	2.45	2.64	1.43	.53	.99	1.31	.54

CAL YR 1983 TOTAL 348861 MEAN 956 MAX 32200 MIN 124 CFSM 2.69 IN 36.56
WTR YR 1984 TOTAL 208009 MEAN 568 MAX 4940 MIN 85 CFSM 1.60 IN 21.80

02479155 CYPRESS CREEK NEAR JANICE, MS
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi east of Janice, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--52.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft, from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--18 years, 101 ft^3/s, 26.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft^3/s Apr. 4, 1979; maximum gage height 29.51 ft Apr. 7, 1983; minimum, 4.5 ft^3/s Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft, discharge, 22,800 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 28	1400	2170	18.08	Feb. 27	1400	*2590	19.51

Minimum discharge, 6.8 ft^3/s, Sept. 29, 30, gage height, 5.34 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	52	124	59	149	46	25	21	18	22	22
2	13	15	43	110	55	128	45	24	18	15	33	16
3	13	15	49	97	323	116	254	24	17	13	40	14
4	13	16	177	87	440	104	167	22	16	12	30	50
5	13	18	132	81	157	176	76	20	15	11	38	39
6	13	17	426	70	105	348	53	20	14	11	97	21
7	13	17	253	63	83	198	44	19	14	11	93	15
8	13	17	109	58	74	123	233	24	14	15	50	12
9	13	17	73	55	68	99	771	32	13	14	31	11
10	14	16	57	189	142	83	249	22	12	12	20	10
11	16	15	347	147	175	75	128	18	12	10	16	9.6
12	21	15	334	86	152	71	101	16	11	9.5	17	9.4
13	33	15	132	71	338	115	82	15	11	9.7	19	8.9
14	24	16	173	63	170	123	69	14	11	9.6	22	8.5
15	19	25	116	85	104	79	57	14	13	9.3	26	8.2
16	17	35	72	154	198	64	52	13	34	37	21	7.9
17	16	25	57	123	223	58	49	12	36	145	16	7.8
18	15	20	50	253	119	54	43	12	59	99	13	8.0
19	16	21	44	382	93	60	40	12	30	48	12	8.0
20	15	451	40	173	82	564	38	13	18	19	11	7.8
21	15	219	38	115	80	325	36	42	14	13	12	7.7
22	17	62	192	93	78	128	37	850	12	11	14	7.7
23	52	137	142	89	63	93	34	524	15	11	15	8.2
24	38	424	75	154	54	114	29	93	186	112	18	8.2
25	25	173	52	284	49	248	26	82	73	88	14	7.8
26	20	72	45	188	94	128	26	181	27	31	12	7.5
27	18	192	127	138	2100	93	43	67	17	18	16	7.3
28	17	360	1730	108	428	88	41	40	19	14	199	7.1
29	16	151	587	85	199	70	31	41	21	31	95	7.0
30	15	73	214	74	---	56	27	36	19	51	82	6.9
31	15	---	147	66	---	50	---	25	---	26	37	---
TOTAL	571	2664	6085	3865	6305	4180	2927	2352	792	934.1	1141	369.5
MEAN	18.4	88.8	196	125	217	135	97.6	75.9	26.4	30.1	36.8	12.3
MAX	52	451	1730	382	2100	564	771	850	186	145	199	50
MIN	13	15	38	55	49	50	26	12	11	9.3	11	6.9
CFSM	.35	1.69	3.73	2.38	4.13	2.57	1.86	1.44	.50	.57	.70	.23
IN.	.40	1.88	4.30	2.73	4.46	2.96	2.07	1.66	.56	.66	.81	.26

CAL YR 1983 TOTAL 59296.0 MEAN 162 MAX 8820 MIN 13 CFSM 3.08 IN 41.93
WTR YR 1984 TOTAL 32185.6 MEAN 87.9 MAX 2100 MIN 6.9 CFSM 1.67 IN 22.76

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 01...	1100	15	18	6.0	16.5	1.9	9.2	93	K26	K8	3	0
JAN 10...	1130	210	22	5.9	11.0	8.6	10.3	94	K80	K6	4	1
APR 10...	1130	226	22	4.8	21.5	10	9.2	105	140	K29	3	1
AUG 01...	1030	21	14	6.7	23.0	1.2	8.8	102	150	450	4	2

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV 01...	.51	.40	2.1	57	.5	.40	7.0	3.5	3.3	<.10	11	31
JAN 10...	.77	.51	1.8	47	.4	.30	3.0	2.2	3.6	<.10	8.4	34
APR 10...	.71	.37	1.6	49	.4	.30	2.0	7.5	3.3	<.10	6.3	--
AUG 01...	.85	.47	1.8	46	.4	.40	2.0	2.0	4.0	<.10	10	35

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 01...	25	.04	1.3	<.10	<.010	1.5	.010	<.010	<.010	8	93
JAN 10...	20	.05	19	<.10	.090	.50	.010	.010	.010	4	98
APR 10...	21	.03	13	<.10	<.010	.50	<.010	<.010	<.010	18	83
AUG 01...	21	.05	2.0	<.10	<.010	.90	.060	<.010	.010	9	34

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
JAN 10...	140	1	37	.7	<1	<1	<3	2	140	3
AUG 01...	140	<1	32	<.0	<1	3	<3	1	250	3

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
JAN 10...	<4	64	<.1	<10	1	<1	<1	8	<6	6
AUG 01...	4	63	.2	<10	2	<1	<1	9	<6	9

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L)	URANIUM DISSOLVED, EXTRACTION (UG/L)
NOV 01...	<.6	<.9	.9	<1.2	.7	<1.1	.10	.05

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi downstream from Flat Branch, 8.6 mi upstream from Sweetwater Creek, and 13.4 mi east of Wiggins.

DRAINAGE AREA.--701 mi^2.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1956-57, 1959-60. October 1971 to current year

GAGE.--Water-stage recorder. Datum of gage is 48.94 ft National Geodetic Vertical Datum of 1929. Prior to 1978 water year, at datum 0.05 ft lower.

REMARKS.--Records good, except those for periods of incorrect gage height, Feb. 5-27 and Mar. 1 to Apr. 16, which are fair.

AVERAGE DISCHARGE.--13 years, 1,476 ft^3/s, 28.59 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,900 ft^3/s Apr. 8, 1983, gage height, 28.81 ft; minimum, 100 ft^3/s Oct. 5, 1982, gage height, 3.85 ft; minimum gage height, 3.80 ft Oct. 19, 20, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft, and the flood of Feb. 19, 1961, 25.83 ft from floodmarks; discharge, about 26,000 ft^3/s, based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 31	0600	*8260	20.55	Feb. 28	2400	7990	20.27

Minimum discharge, 202 ft^3/s Sept. 30, gage height, 4.22 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	311	282	1020	3680	957	4070	757	576	534	419	877	689
2	299	282	864	2230	898	2250	715	552	458	503	529	507
3	290	281	786	1750	1230	1780	1250	506	416	403	455	415
4	306	282	1640	1490	3370	1490	1790	632	389	369	460	378
5	329	303	2720	1350	2430	1600	1440	802	370	413	898	518
6	330	318	2720	1240	1490	3220	1210	690	355	412	1160	559
7	311	321	3590	1150	1190	3210	1070	791	348	408	1110	438
8	286	315	2490	1070	1100	2180	943	694	342	474	1100	373
9	276	310	1620	1010	998	1690	4110	583	334	737	1040	323
10	277	306	1250	1570	1090	1470	6290	507	323	735	731	292
11	312	296	2000	1860	2410	1280	6350	460	312	540	553	296
12	362	289	3920	1500	1900	1170	3880	416	303	416	483	289
13	535	286	3110	1260	2630	1210	2250	383	298	419	890	261
14	629	287	2210	1130	3030	1570	1600	360	307	447	793	243
15	527	302	1790	1090	1950	1340	1280	343	334	480	702	230
16	452	383	1410	1490	1790	1120	1140	328	484	708	684	220
17	404	431	1150	1600	2700	1000	1030	311	522	1160	492	223
18	372	411	1020	1930	2150	919	931	300	559	747	414	223
19	356	379	943	3540	1580	877	849	292	524	672	426	220
20	345	1240	893	3460	1370	2370	765	286	426	451	360	218
21	333	2460	832	2130	1350	3820	706	333	363	357	352	216
22	336	1350	1450	1630	1260	2220	676	2120	330	310	317	222
23	455	1010	1590	1420	1120	1500	652	4850	303	280	297	230
24	525	2410	1140	1500	992	1290	617	3350	458	383	425	236
25	456	2650	926	2340	904	1830	587	1640	673	606	430	236
26	389	1490	820	2650	847	1490	551	1440	531	428	323	230
27	352	1160	823	1990	4190	1210	555	1050	421	349	317	224
28	332	2270	3660	1600	7400	1170	712	797	377	301	1040	218
29	312	2370	6910	1320	7370	1110	670	758	375	307	1790	211
30	292	1360	7840	1150	---	922	591	647	352	562	1390	205
31	284	---	6320	1040	---	815	---	568	---	961	1130	---
TOTAL	11375	25834	69457	54170	61696	53193	45967	27365	12121	15757	21968	9143
MEAN	367	861	2241	1747	2127	1716	1532	883	404	508	709	305
MAX	629	2650	7840	3680	7400	4070	6350	4850	673	1160	1790	689
MIN	276	281	786	1010	847	815	551	286	298	280	297	205
CFSM	.52	1.23	3.20	2.49	3.03	2.45	2.19	1.26	.58	.73	1.01	.44
IN.	.60	1.37	3.69	2.07	3.27	2.82	2.44	1.45	.64	.84	1.17	.49

CAL YR 1983 TOTAL 718508 MEAN 1969 MAX 39900 MIN 276 CFSM 2.81 IN 38.13
WTR YR 1984 TOTAL 408046 MEAN 1115 MAX 7840 MIN 205 CFSM 1.59 IN 21.65

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi north of Vestry, and 1.1 mi upstream from Little Red Creek.

DRAINAGE AREA.--441 mi^2.

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 868 ft^3/s, 26.73 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft^3/s Apr. 8, 1983; gage height, 21.18 ft, from floodmark; minimum discharge, 88 ft^3/s Oct. 22, 1963, gage height, 3.22 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 31	0200	*5260	14.87	May 24	1800	4020	14.25
Feb. 29	1930	4150	14.32				

Minimum discharge, 186 ft^3/s Sept. 23, minimum gage height, 5.25 ft. Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	198	694	3490	696	3830	510	312	437	248	272	485
2	224	203	539	1820	650	2350	510	303	377	244	460	396
3	215	206	486	1220	764	1320	810	298	339	234	705	344
4	207	204	756	1010	1620	1000	1020	290	311	216	472	357
5	208	207	870	899	1790	1070	1160	279	290	212	472	550
6	210	214	1170	819	1240	2000	960	271	274	254	629	485
7	210	214	2080	755	893	2500	820	271	262	250	541	353
8	198	215	2080	702	734	1900	940	276	252	300	657	287
9	188	212	1270	657	684	1460	2350	303	241	476	602	251
10	188	208	863	1250	626	1250	3600	330	231	470	505	230
11	199	203	2060	1840	827	1060	4100	322	222	521	399	216
12	221	201	3540	1390	1120	920	3250	274	216	394	345	205
13	260	200	3590	1000	1370	820	2100	250	223	465	513	201
14	330	201	2260	824	1790	980	860	237	229	841	572	196
15	375	206	1670	766	1480	1000	720	226	223	647	634	222
16	315	216	1140	979	1250	860	640	217	300	482	538	587
17	283	230	845	1110	1710	770	565	209	280	549	435	426
18	260	236	711	1230	1870	680	475	202	312	591	352	293
19	243	236	636	1710	1330	630	434	198	328	500	295	235
20	234	332	582	1870	1020	1800	413	199	329	368	269	209
21	224	1030	543	1520	965	2250	396	261	274	295	299	196
22	221	964	953	1200	1110	2100	388	1470	243	250	311	188
23	230	705	1920	944	948	1400	382	3020	226	223	393	186
24	300	954	1750	977	775	1020	367	3850	245	277	351	190
25	315	1500	1010	1460	674	1190	345	3020	288	519	344	188
26	275	1080	739	1850	614	1190	328	1350	449	439	277	184
27	250	746	690	1730	1720	900	329	846	386	357	243	181
28	227	936	2370	1410	2950	810	343	848	303	320	352	180
29	214	1260	3860	1080	3900	750	337	907	289	290	778	179
30	206	985	4850	882	---	695	326	830	257	350	855	178
31	202	---	4950	769	---	600	---	555	---	280	730	---
TOTAL	7461	14502	51477	39163	37100	41105	29778	22224	8636	11862	14600	8378
MEAN	241	483	1661	1263	1279	1326	993	717	288	383	471	279
MAX	375	1500	4950	3490	3900	3830	4100	3850	449	841	855	587
MIN	188	198	486	657	614	600	326	198	216	212	243	178
CFSM	.55	1.10	3.77	2.86	2.90	3.01	2.25	1.63	.65	.87	1.07	.63
IN.	.63	1.22	4.34	3.30	3.13	3.47	2.51	1.87	.73	1.00	1.23	.71

CAL YR 1983 TOTAL 458003 MEAN 1255 MAX 23000 MIN 188 CFSM 2.85 IN 38.63
WTR YR 1984 TOTAL 286286 MEAN 782 MAX 4950 MIN 178 CFSM 1.77 IN 24.15

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec.2, T.3 S., R.5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 6.7 mi west of Wilmer, AL, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, MS, and 4.8 mi below old gage at Escatawpa River near Wilmer, AL.

DRAINAGE AREA.--562 mi².

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft.

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 1,310 ft³/s, 31.65 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s Apr. 9, 1983, gage height, 22.39 ft; minimum, 108 ft³/s Oct. 3, 4, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft ±1.0 ft, National Geodetic Vertical Datum of 1929, as determined from historical data. Peak discharge of this flood is unknown, but in all probability has not been exceeded since 1929.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Dec. 11	1900	5210	14.71	May 23	1200	*7470	16.24
Dec. 30	0300	6460	15.67				

Minimum discharge, 143 ft³/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	245	2650	4310	1310	4110	1190	346	592	308	725	479
2	236	236	2320	3510	1190	3560	1010	333	484	263	1750	375
3	231	228	1750	2650	1580	2810	1830	335	435	237	2020	316
4	233	225	2120	2010	3510	2170	2520	349	409	250	2190	312
5	235	275	2080	1670	2950	2130	2240	358	375	251	2190	439
6	233	294	2050	1430	1980	3890	1670	626	332	300	1860	413
7	225	281	2380	1260	1580	4740	1500	1850	304	344	1170	392
8	218	259	2210	1140	1390	3860	1730	2260	280	529	848	316
9	213	249	2030	1040	1280	2820	2800	1650	259	446	617	258
10	219	245	2000	1960	1190	2240	3190	1100	241	361	492	237
11	309	237	3940	2900	1130	1850	2430	810	226	270	432	233
12	392	231	4570	2400	1080	1590	1800	616	221	225	480	364
13	454	229	3080	1890	1500	1450	1430	474	392	274	757	347
14	453	231	2190	1650	1660	1430	1180	366	549	300	675	266
15	416	241	2100	1540	1460	1250	1010	308	538	286	701	228
16	385	294	1880	1780	1650	1070	870	269	828	322	612	407
17	356	293	1580	1860	2440	956	756	242	435	545	516	310
18	322	282	1330	2100	2210	883	650	229	400	968	493	239
19	291	269	1150	2630	1900	841	576	217	336	723	472	208
20	262	500	1000	2730	1680	2070	539	210	283	474	414	193
21	245	901	883	2500	1570	3220	508	330	246	326	413	181
22	240	969	1140	2420	1510	2260	503	4770	234	279	358	172
23	272	774	2230	2190	1340	1630	573	7370	240	256	352	171
24	344	1300	2140	2200	1180	1400	502	6740	996	259	357	167
25	385	1920	1510	2620	1050	1520	434	5070	629	294	359	162
26	373	1730	1220	2620	938	2060	394	3310	422	260	311	157
27	336	1600	1130	2310	2510	2510	396	2020	306	236	317	152
28	318	2240	3170	2080	4440	2270	399	1510	285	219	484	149
29	306	2760	5830	1850	4690	2280	383	1360	282	388	517	145
30	284	2590	6230	1650	---	2030	364	1050	293	981	594	144
31	260	---	5140	1460	---	1510	---	780	---	817	599	---
TOTAL	9291	22128	75033	66360	53898	68410	35377	47258	11852	11991	24075	7932
MEAN	300	738	2420	2141	1859	2207	1179	1524	395	387	777	264
MAX	454	2760	6230	4310	4690	4740	3190	7370	996	981	2190	479
MIN	213	225	883	1040	938	841	364	210	221	219	311	144
CFSM	.53	1.31	4.31	3.81	3.31	3.93	2.10	2.71	.70	.69	1.38	.47
IN.	.61	1.46	4.97	4.39	3.57	4.53	2.34	3.13	.78	.79	1.59	.53

CAL YR 1983 TOTAL 664836 MEAN 1821 MAX 32600 MIN 213 CFSM 3.24 IN 44.01
WTR YR 1984 TOTAL 433605 MEAN 1185 MAX 7370 MIN 144 CFSM 2.11 IN 28.70

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi east of Wortham, 1.3 mi downstream from Illinois Central Railroad bridge, 1.1 mi upstream from Saucier Creek, 4.2 mi north of Lyman, and 18.8 mi upstream from mouth.

DRAINAGE AREA.--96.1 mi^2.

PERIOD OF RECORD.--October 1952 to current year.

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.18 ft Mississippi State Highway Department datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records good, except those for period of doubtful or no gage height record, Dec. 11 to Jan. 18, which are fair.

AVERAGE DISCHARGE.--32 years, 193 ft^3/s, 27.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,300 ft^3/s Apr. 8, 1983, gage height, 25.30 ft present datum; minimum, 1.1 ft^3/s Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft present datum, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft higher than that of Sept. 18, 1957, at a point about 1 mi upstream, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 11	1430	*6300	18.84	Dec. 29	Unknown	Unknown	Unknown

Minimum discharge, 6.5 ft^3/s Sept. 30, gage height 1.83 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	16	99	510	143	267	68	22	28	30	59	109
2	20	16	76	385	133	214	66	21	27	29	95	62
3	18	15	76	275	448	186	501	21	28	27	127	45
4	18	15	457	228	763	163	335	21	25	24	145	53
5	19	17	273	197	388	527	200	21	23	22	189	85
6	19	18	482	171	228	1600	127	25	18	17	152	70
7	19	18	617	150	181	833	94	25	18	13	223	37
8	18	18	437	140	160	394	100	25	19	81	240	25
9	18	17	196	185	145	268	209	27	18	121	148	20
10	19	15	150	395	138	216	162	25	16	52	69	17
11	52	14	3400	370	132	187	102	25	15	32	38	15
12	249	14	2450	255	215	175	76	24	16	30	35	14
13	354	14	1050	191	506	217	65	24	15	40	101	13
14	130	14	520	165	313	183	56	24	17	138	199	12
15	73	17	365	160	191	153	47	24	18	98	206	11
16	47	23	285	280	195	134	39	23	101	40	120	220
17	35	23	188	365	383	119	36	23	41	28	62	290
18	29	21	145	510	258	105	33	23	36	28	83	77
19	26	20	126	676	183	119	31	23	35	34	63	35
20	24	130	115	409	190	916	29	23	29	27	33	25
21	22	196	115	261	322	700	25	23	27	25	39	19
22	24	148	325	209	339	308	25	559	23	23	28	16
23	44	83	500	193	208	200	24	1200	22	21	30	13
24	70	444	410	424	156	167	23	568	26	184	179	12
25	50	321	225	699	131	222	23	131	88	239	142	11
26	33	165	145	553	126	209	23	72	91	139	70	10
27	26	159	175	425	1440	152	22	130	109	77	93	9.1
28	22	317	1000	303	970	140	22	196	145	37	118	8.2
29	20	240	2200	228	507	120	22	168	67	173	457	7.4
30	18	145	1510	190	---	94	22	71	34	170	465	6.8
31	17	---	800	162	---	77	---	39	---	90	241	---
TOTAL	1554	2673	18912	9664	9492	9365	2607	3626	1175	2089	4249	1347.5
MEAN	50.1	89.1	610	312	327	302	86.9	117	39.2	67.4	137	44.9
MAX	354	444	3400	699	1440	1600	501	1200	145	239	465	290
MIN	17	14	76	140	126	77	22	21	15	13	28	6.8
CFSM	.52	.93	6.35	3.25	3.40	3.14	.90	1.22	.41	.70	1.43	.47
IN.	.60	1.03	7.32	3.74	3.67	3.63	1.01	1.40	.45	.81	1.64	.52

CAL YR 1983 TOTAL 133272.0 MEAN 365 MAX 8330 MIN 14 CFSM 3.80 IN 51.59
WTR YR 1984 TOTAL 66753.5 MEAN 182 MAX 3400 MIN 6.8 CFSM 1.89 IN 25.84

02481510 WOLF RIVER NEAR LANDON, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi downstream from Sandy Creek, 1.3 mi upstream from Pole Branch, and 11.2 mi northwest of Landon.

DRAINAGE AREA.--308 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 19.34 ft National Geodetic Vertical Datum of 1929. Prior to Oct. 18, 1978, at datum 2.00 ft higher.

REMARKS.--Records good, except those for days of incorrect gage height, which were fair.

AVERAGE DISCHARGE.- 13 years, 675 ft^3/s, 29.76 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge about 18,400 ft^3/s Apr. 8 1983, gage height, 21.53 ft; minimum, 44 ft^3/s Oct. 18-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft. The flood of 1920 reached a stage about 5 ft higher than that of April 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 11	1300	*10100	14.89
Dec. 29	1200	7030	11.90
Feb. 28	0030	5280	9.93

Minimum daily discharge, 59 ft^3/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	90	418	1180	416	1490	278	121	119	155	125	281
2	100	88	339	883	384	1010	266	119	100	170	129	234
3	96	89	308	736	821	799	666	117	91	159	156	323
4	94	89	545	636	1620	683	941	114	84	150	371	770
5	94	95	679	565	1080	1120	572	112	80	148	572	862
6	94	97	1500	513	675	2570	380	111	78	144	361	477
7	92	101	1970	467	513	1870	297	109	76	160	498	251
8	87	98	1140	425	426	1220	284	108	75	358	847	175
9	85	94	699	407	387	877	791	119	73	394	706	137
10	85	91	508	1480	373	677	1540	129	71	335	379	129
11	108	90	6210	1120	1060	576	1440	124	70	218	259	129
12	188	89	4050	716	965	535	838	119	69	128	281	101
13	351	89	1850	555	1830	600	512	110	68	730	941	88
14	296	88	1360	483	1660	562	380	105	68	1040	815	81
15	220	96	999	489	1060	503	310	100	83	729	550	107
16	164	111	688	749	940	459	264	97	168	377	417	1040
17	133	114	529	770	1750	409	239	94	293	666	267	326
18	117	114	447	1090	1240	376	219	91	217	532	219	167
19	109	109	396	1520	841	386	202	89	215	371	274	120
20	102	457	360	1260	703	2020	186	88	219	232	181	99
21	97	1060	337	911	853	1880	176	86	160	159	139	88
22	103	587	898	702	904	1130	171	375	140	124	137	86
23	126	445	1590	577	649	733	163	1920	129	108	146	91
24	130	1290	904	953	505	576	156	1210	143	147	331	92
25	124	1170	571	1760	426	837	144	511	156	250	302	82
26	112	645	423	1630	393	673	139	285	151	212	183	77
27	103	475	490	1250	3800	507	138	266	149	148	222	72
28	98	937	5110	920	4540	455	136	378	147	123	317	67
29	94	992	6420	674	2390	399	134	321	147	215	527	63
30	91	586	3240	550	---	342	127	219	149	185	721	59
31	90	---	1850	469	---	304	---	153	---	143	434	---
TOTAL	3888	10476	46828	26440	33204	26578	12089	7900	3788	9010	11807	6674
MEAN	125	349	1511	853	1145	857	403	255	126	291	381	222
MAX	351	1290	6420	1760	4540	2570	1540	1920	293	1040	941	1040
MIN	85	88	308	407	373	304	127	86	68	108	125	59
CFSM	.41	1.13	4.91	2.77	3.72	2.78	1.31	.83	.41	.95	1.24	.72
IN.	.47	1.27	5.66	3.19	4.01	3.21	1.46	.95	.46	1.09	1.43	.81

CAL YR 1983 TOTAL 337429 MEAN 924 MAX 17400 MIN 85 CFSM 3.00 IN 40.75
WTR YR 1984 TOTAL 198682 MEAN 543 MAX 6420 MIN 59 CFSM 1.76 IN 24.00

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: May 1978 to September 1981.
WATER TEMPERATURE: May 1978 to September 1981.

REMARKS.--Prior to Oct. 6, 1978, daily values of specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 19...	1530	108	33	6.0	25.5	2.0	8.5	104	46	K23	8	C
JAN 10...	1330	1650	28	5.8	11.5	20	11.0	101	--	K8	6	C
APR 10...	1530	1540	25	5.1	19.5	20	8.7	96	140	K34	5	2
AUG 01...	1330	121	32	6.9	25.5	1.4	8.9	108	580	220	6	1

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 19...	1.5	.95	2.8	40	.5	1.1	8.0	3.6	5.1	<.10	11	42
JAN 10...	.99	.77	2.2	42	.4	.80	6.0	5.1	3.2	<.10	6.6	34
APR 10...	1.1	.54	1.9	41	.4	.80	3.0	3.8	4.1	<.10	5.6	42
AUG 01...	1.3	.69	2.5	43	.5	.80	5.0	3.5	4.2	<.10	10	38

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	31	.06	12	<.10	<.010	.30	.010	.010	<.010	10	70
JAN 10...	24	.05	151	.12	.070	.70	.030	.010	.010	30	100
APR 10...	20	.06	175	<.10	<.010	.40	.020	<.010	<.010	47	91
AUG 01...	26	.05	12	<.10	.010	.90	.010	<.010	<.010	14	58

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT										
19...	30	2	45	<.5	<1	6	<3	1	96	1
JAN										
10...	150	<1	40	.6	1	<1	<3	4	190	4
APR										
10...	150	1	35	<.5	2	<1	<3	4	200	2
AUG										
01...	70	<1	37	<.0	1	1	<3	3	240	5

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT										
19...	8	38	.6	<10	1	<1	<1	27	<6	<3
JAN										
10...	<4	62	.1	<10	1	<1	<1	16	<6	17
APR										
10...	<4	73	.1	<10	1	<1	<1	16	<6	16
AUG										
01...	<4	36	.3	<10	2	<1	<1	23	<6	16

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50'27", long 89°05'51", in NE¼ sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03160108, on right bank at downstream edge of roadway at bridge on State Highway 15, 2.4 mi upstream from Gulf Mobile and Ohio railroad, 4.8 mi north of Philadelphia and 0.9 mi south of Burnside, MS.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--January 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 376.30 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,800 ft³/s May 21, 1983, gage height, 19.77 ft; minimum daily, 1.6 ft³/s Sept. 29, 30, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft³/s Apr. 13, 1979; gage height, 23.31 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,880 ft³/s May 4, gage height, 15.11 ft; minimum, 1.4 ft³/s Sept. 30, gage height, 4.41 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	5.3	1330	3120	913	1620	1580	724	42	3.4	4.2	3.0
2	17	5.8	1210	2100	781	1510	1280	956	38	3.7	3.8	2.5
3	7.8	6.6	1090	1540	672	1280	1570	2260	19	4.3	4.2	2.3
4	4.1	6.8	1160	1180	580	1070	1680	7320	9.4	4.8	5.6	2.4
5	3.9	8.5	1130	975	491	1210	2480	8390	7.1	4.9	7.7	2.2
6	3.5	7.7	1990	838	427	1730	2580	5150	6.5	5.4	7.4	2.3
7	3.6	8.2	2840	707	381	3320	1940	2780	6.2	7.1	6.6	4.3
8	4.9	11	2970	606	349	3230	1490	1930	5.9	53	11	3.3
9	4.1	9.9	2540	512	320	2400	1230	1450	5.2	15	11	2.6
10	3.6	8.9	1890	568	393	1710	999	1150	4.8	6.4	27	3.1
11	3.6	8.4	2280	724	762	1280	864	989	4.5	5.0	44	3.5
12	3.7	9.8	3370	758	1120	1000	764	869	4.6	4.7	43	3.4
13	5.6	13	5800	1030	3620	844	706	719	4.8	15	37	3.4
14	5.7	14	5040	1300	3800	701	655	587	4.2	115	38	3.5
15	4.4	29	3500	1170	3840	590	580	469	23	38	118	3.3
16	4.6	34	2520	1080	3120	497	486	377	8.5	16	121	3.0
17	4.7	39	1980	975	2430	520	410	283	5.3	14	72	2.8
18	4.4	34	1570	905	1930	564	333	206	4.5	18	36	2.9
19	4.7	52	1230	846	1630	589	276	154	4.7	15	18	3.4
20	4.9	365	1020	777	1350	702	284	117	4.6	10	11	3.5
21	4.8	398	885	726	1130	815	339	100	4.2	6.1	8.3	3.0
22	12	419	848	701	962	882	410	98	4.8	4.9	5.7	2.7
23	28	717	808	719	825	925	467	94	5.5	5.5	4.1	2.8
24	31	1930	767	1050	699	918	531	85	5.0	6.8	3.3	2.8
25	35	3100	772	1300	586	887	592	74	4.8	6.4	2.8	2.8
26	20	3460	799	2240	491	794	622	65	4.3	4.8	2.2	2.4
27	14	2800	818	2590	731	742	614	58	3.2	4.4	2.0	2.1
28	9.4	2370	1560	2110	875	920	573	53	2.7	5.7	2.4	1.8
29	6.9	1840	2740	1700	1010	936	569	49	2.7	7.2	5.2	1.6
30	6.2	1500	5410	1330	---	1450	633	40	2.8	7.0	5.7	1.6
31	5.6	---	4860	1070	---	2140	---	39	---	5.6	3.7	---
TOTAL	298.7	19210.9	66727	37247	36218	37776	27537	37635	252.8	423.1	671.9	84.3
MEAN	9.64	640	2152	1202	1249	1219	918	1214	8.43	13.6	21.7	2.81
MAX	35	3460	5800	3120	3840	3320	2580	8390	42	115	121	4.3
MIN	3.5	5.3	767	512	320	497	276	39	2.7	3.4	2.0	1.6
CFSM	.02	1.23	4.14	2.31	2.40	2.34	1.77	2.34	.02	.03	.04	.005
IN.	.02	1.37	4.77	2.66	2.59	2.70	1.97	2.69	.02	.03	.05	.01

CAL YR 1983 TOTAL 606436.5 MEAN 1661 MAX 34600 MIN 2.6 CFSM 3.19 IN 43.38
WTR YR 1984 TOTAL 264081.7 MEAN 722 MAX 8390 MIN 1.6 CFSM 1.39 IN 18.89

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°20'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 20 ft downstream from bridge on State Highway 16 at Edinburg, 1,100 ft downstream from Hooper Mill Creek, 1.6 mi upstream from Rice Creek and at mile 387.5.

DRAINAGE AREA.--904 mi2.

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1929-30, 1933. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft National Geodetic Vertical Datum of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft upstream at datum 0.12 ft higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--56 years, 1,185 ft3/s, 17.80 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,900 ft3/s Apr. 14, 1979, gage height, 30.06 ft; minimum, 1.7 ft3/s Oct. 5, 1954, gage height, 1.02 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft, from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 5,000 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Dec. 15	1830	6780	21.14	Feb. 17	0645	5150	19.66
Jan. 2	0230	5500	20.05	May 7	0330	*9150	22.57

Minimum discharge, 12 ft3/s Sept. 30, gage height, 2.57 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	30	3030	5170	2220	2120	1930	792	104	24	52	41
2	45	30	2450	5410	1810	1870	2240	1080	94	26	44	38
3	41	29	2060	4800	1510	1920	3060	3120	88	27	39	36
4	35	30	2180	3980	1300	2030	3240	3810	81	25	37	33
5	30	48	2010	3130	1130	3090	3580	5370	75	23	40	32
6	27	44	2490	2360	974	3580	3420	8300	67	23	41	30
7	23	43	2450	1820	826	3960	3340	8830	61	24	52	27
8	20	49	2640	1470	705	4010	3390	7360	61	29	61	25
9	19	46	3050	1250	623	4210	3170	5620	53	54	84	24
10	18	42	3280	1680	964	4300	2870	4270	49	66	98	25
11	18	39	4260	1810	1230	3940	2600	3150	44	49	86	33
12	21	38	4640	1910	1730	3310	2150	2180	42	38	85	28
13	41	36	5270	1820	2860	2590	1710	1550	40	51	86	26
14	39	39	6020	1620	3130	2000	1380	1210	38	86	167	24
15	32	73	6670	1590	4080	1590	1180	986	45	132	216	22
16	31	75	6420	1730	4860	1310	1040	779	45	136	199	20
17	31	62	5480	1800	5130	1330	916	615	51	103	299	19
18	29	58	4510	1850	4860	1290	776	495	50	107	192	18
19	27	58	3650	1790	4270	1340	693	398	43	106	139	17
20	25	782	2840	1720	3590	1650	679	330	38	98	101	17
21	25	457	2200	1600	2880	1540	612	286	34	74	78	18
22	50	638	2090	1410	2280	1550	681	266	33	58	65	17
23	97	1640	1920	1440	1840	1470	707	249	47	46	59	16
24	85	2440	1930	2300	1530	1410	704	228	49	40	62	16
25	72	2280	1710	2410	1310	1460	710	208	43	41	56	15
26	61	2550	1420	2680	1130	1490	714	188	39	42	48	15
27	53	2870	1290	2680	2030	1570	782	167	33	38	43	14
28	44	3490	2920	2900	1990	2070	786	155	30	41	40	14
29	38	3620	3260	3220	2290	2220	770	139	27	43	39	13
30	33	3480	3940	3090	---	2380	742	123	26	58	42	12
31	31	---	4390	2680	---	2140	---	111	---	64	44	---
TOTAL	1191	25116	102470	75120	65082	70740	50572	62365	1530	1772	2694	685
MEAN	38.4	837	3305	2423	2244	2282	1686	2012	51.0	57.2	86.9	22.8
MAX	97	3620	6670	5410	5130	4300	3580	8830	104	136	299	41
MIN	18	29	1290	1250	623	1290	612	111	26	23	37	12
CFSM	.04	.93	3.66	2.68	2.48	2.52	1.87	2.23	.06	.06	.10	.03
IN.	.05	1.03	4.22	3.09	2.68	2.91	2.08	2.57	.06	.07	.11	.03

CAL YR 1983 TOTAL 1142946 MEAN 3131 MAX 49000 MIN 18 CFSM 3.46 IN 47.03
WTR YR 1984 TOTAL 459337 MEAN 1255 MAX 8830 MIN 12 CFSM 1.39 IN 18.90

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.97	3.59	16.21	19.68	14.19	13.91	13.33	9.11	4.18	3.12	3.49	3.15
2	3.89	3.57	14.82	19.95	12.97	13.16	14.24	10.37	4.07	3.16	3.33	3.10
3	3.80	3.56	13.74	19.24	11.97	13.30	16.26	16.10	4.00	3.20	3.23	3.05
4	3.68	3.57	14.08	18.03	11.23	13.64	16.67	17.76	3.92	3.15	3.19	3.01
5	3.57	3.93	13.58	16.42	10.58	16.23	17.33	19.79	3.83	3.11	3.24	2.98
6	3.50	3.86	14.92	14.57	9.93	17.33	17.02	22.09	3.73	3.11	3.26	2.95
7	3.40	3.85	14.82	13.00	9.28	18.01	16.87	22.40	3.64	3.13	3.43	2.89
8	3.33	3.95	15.31	11.85	8.70	18.10	16.97	21.52	3.64	3.24	3.58	2.85
9	3.30	3.90	16.24	11.05	8.28	18.41	16.51	20.13	3.52	3.71	3.90	2.82
10	3.29	3.82	16.74	12.50	9.77	18.55	15.85	18.48	3.46	3.90	4.09	2.86
11	3.29	3.76	18.42	12.96	10.96	17.98	15.22	16.45	3.39	3.61	3.93	3.03
12	3.36	3.74	19.05	13.28	12.62	16.80	13.99	14.05	3.34	3.39	3.89	2.94
13	3.79	3.71	19.78	13.01	15.82	15.17	12.64	12.11	3.31	3.59	3.91	2.88
14	3.77	3.76	20.52	12.35	16.41	13.54	11.53	10.89	3.29	4.16	4.84	2.84
15	3.62	4.31	21.06	12.25	18.19	12.23	10.76	9.98	3.44	4.71	5.33	2.79
16	3.59	4.37	20.86	12.70	19.31	11.26	10.20	9.05	3.45	4.75	5.15	2.76
17	3.60	4.17	20.01	12.94	19.63	11.34	9.68	8.17	3.55	4.35	6.04	2.73
18	3.55	4.10	18.84	13.08	19.32	11.18	9.04	7.45	3.54	4.39	5.07	2.71
19	3.50	4.10	17.46	12.90	18.51	11.35	8.64	6.80	3.43	4.37	4.49	2.69
20	3.47	8.97	15.77	12.68	17.35	12.43	8.57	6.29	3.34	4.26	4.04	2.68
21	3.45	7.44	14.13	12.27	15.87	12.09	8.22	5.95	3.27	3.93	3.73	2.71
22	3.89	8.39	13.81	11.62	14.35	12.12	8.57	5.78	3.25	3.67	3.53	2.71
23	4.65	12.12	13.32	11.72	13.06	11.83	8.71	5.63	3.52	3.46	3.42	2.67
24	4.51	14.79	13.34	14.43	12.03	11.63	8.69	5.45	3.56	3.34	3.48	2.68
25	4.32	14.37	12.65	14.71	11.25	11.80	8.72	5.26	3.47	3.35	3.38	2.66
26	4.16	15.10	11.67	15.41	10.58	11.89	8.75	5.07	3.40	3.37	3.26	2.65
27	4.02	15.84	11.18	15.40	13.62	12.19	9.08	4.87	3.30	3.27	3.16	2.64
28	3.86	17.16	15.89	15.91	13.53	13.77	9.09	4.75	3.22	3.32	3.12	2.64
29	3.74	17.41	16.70	16.62	14.41	14.19	9.02	4.57	3.18	3.36	3.09	2.60
30	3.66	17.14	17.98	16.33	---	14.65	8.88	4.39	3.14	3.59	3.17	2.58
31	3.62	---	18.69	15.40	---	13.95	---	4.27	---	3.69	3.20	---
TOTAL	115.15	222.35	501.59	444.26	393.72	434.03	359.05	334.98	105.38	112.76	117.97	84.25
MEAN	3.71	7.41	16.18	14.33	13.58	14.00	11.97	10.81	3.51	3.64	3.81	2.81
MAX	4.65	17.41	21.06	19.95	19.63	18.55	17.33	22.40	4.18	4.75	6.04	3.15
MIN	3.29	3.56	11.18	11.05	8.28	11.18	8.22	4.27	3.14	3.11	3.09	2.58

CAL YR 1983 TOTAL 4293.13 MEAN 11.76 MAX 28.11 MIN 3.29
WTR YR 1984 TOTAL 3225.49 MEAN 8.81 MAX 22.40 MIN 2.58

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi south of Carthage, 4.0 mi downstream from Lobutcha Creek, 10.8 mi upstream from Tuscolameta Creek, and at mile 366.3.

DRAINAGE AREA.--1,346 mi2.

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft National Geodetic National Vertical Datum of 1929.

REMARKS.--Records good, except those for the period of missing record, July 12 to Aug. 15, which were fair.

AVERAGE DISCHARGE.--22 years, 2,120 ft^3/s, 21.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft^3/s Apr. 14, 1979, gage height 28.74 ft; minimum 31 ft^3/s Oct. 30, 1963, gage height, 2.36 ft; minimum gage height, 2.29 ft Oct. 4, 5, 6, 7, 8, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft; flood in 1900 reached a stage of 25.6 ft; flood in 1932 reached a stage of 24.3 ft; flood of Apr. 11, 1938, reached a stage of 23.3 ft, all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft, discharge, 31,900 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,700 ft^3/s May 8, gage height, 19.90 ft; minimum, 62 ft^3/s Sept. 29, 30, gage height, 2.57 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	142	4570	6790	3730	3480	4110	1540	275	145	136	122
2	182	137	4150	7120	2990	3290	3870	1900	261	125	129	113
3	173	133	3550	7120	2450	3030	4810	4110	247	119	117	108
4	164	164	3440	6560	2090	2970	5410	7220	235	120	109	107
5	155	229	3460	5550	1830	4690	5750	8990	226	122	110	101
6	145	215	4200	4360	1630	6460	5900	9050	215	117	114	101
7	138	208	4600	3310	1440	7530	5780	10000	205	114	124	101
8	132	207	4980	2540	1270	7670	5580	10700	194	115	129	96
9	127	206	4910	2060	1120	7350	5520	9900	188	118	145	94
10	123	189	4710	2370	1530	6860	5080	8500	179	144	179	93
11	120	175	6090	3080	2300	6420	4380	6940	168	149	212	88
12	123	167	7070	3210	2770	5840	3840	5330	163	131	199	91
13	148	160	6910	3200	4770	4910	3240	3890	158	118	189	90
14	176	159	6980	3010	5600	3800	2630	2740	151	143	222	86
15	180	213	7310	2820	6230	2960	2200	1920	154	181	364	83
16	168	253	7690	2780	6950	2390	1920	1530	154	216	357	79
17	164	262	7700	2810	7410	2310	1740	1250	152	265	356	75
18	154	253	7100	2800	7410	2530	1550	1010	149	436	395	74
19	145	262	6180	2740	6990	2470	1420	831	154	291	313	72
20	136	1520	5040	2630	6210	2950	1440	692	149	228	260	71
21	130	1480	3900	2490	5250	3010	1470	623	144	207	307	69
22	149	1160	3390	2310	4150	2880	1540	564	219	183	209	68
23	242	2440	3240	2280	3230	2770	1780	537	154	160	173	69
24	282	4120	3030	3620	2570	2660	1790	511	153	140	155	67
25	277	4030	2840	4110	2140	2640	1720	470	163	128	148	67
26	266	3800	2540	4330	1870	2600	1640	427	151	122	137	66
27	233	3830	2230	4400	2930	2740	1530	393	146	119	131	64
28	202	4330	4320	4380	3410	3760	1500	364	138	137	123	63
29	178	4630	5610	4450	3440	3920	1560	342	132	143	121	62
30	162	4730	6300	4590	---	4180	1570	316	130	128	119	62
31	151	---	6550	4390	---	4330	---	292	---	124	128	---
TOTAL	5314	39804	154590	118210	105710	125400	92270	102882	5307	4988	5910	2502
MEAN	171	1327	4987	3813	3645	4045	3076	3319	177	161	191	83.4
MAX	282	4730	7700	7120	7410	7670	5900	10700	275	436	395	122
MIN	120	133	2230	2060	1120	2310	1420	292	130	114	109	62
CFSM	.13	.99	3.71	2.83	2.71	3.01	2.29	2.47	.13	.12	.14	.06
IN.	.15	1.10	4.27	3.27	2.92	3.47	2.55	2.84	.15	.14	.16	.07

CAL YR 1983 TOTAL 1741210 MEAN 4770 MAX 67500 MIN 117 CFSM 3.54 IN 48.12
WTR YR 1984 TOTAL 762887 MEAN 2084 MAX 10700 MIN 62 CFSM 1.55 IN 21.08

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.18	3.99	15.30	17.54	14.05	13.60	14.03	9.58	4.88	3.64	3.65	3.33
2	4.12	3.95	14.79	17.83	12.94	13.31	13.70	10.47	4.76	3.42	3.57	3.23
3	4.04	3.91	13.97	17.83	12.02	12.91	14.83	14.01	4.65	3.35	3.44	3.18
4	3.96	4.20	13.81	17.32	11.30	12.80	15.49	17.40	4.55	3.35	3.35	3.16
5	3.89	4.82	13.83	16.31	10.73	15.06	15.82	18.86	4.47	3.38	3.36	3.09
6	3.79	4.70	14.83	14.95	10.23	17.00	15.95	18.92	4.37	3.31	3.40	3.09
7	3.73	4.64	15.34	13.51	9.73	17.97	15.82	19.48	4.28	3.28	3.52	3.07
8	3.67	4.63	15.78	12.26	9.25	18.08	15.60	19.86	4.18	3.30	3.57	3.01
9	3.62	4.62	15.69	11.32	8.80	17.79	15.52	19.46	4.12	3.32	3.74	2.99
10	3.58	4.47	15.47	11.92	9.88	17.34	15.02	18.57	4.03	3.62	4.08	2.98
11	3.56	4.33	16.87	13.16	11.70	16.92	14.20	17.27	3.93	3.67	4.38	2.91
12	3.61	4.26	17.85	13.37	12.49	16.32	13.51	15.71	3.87	3.60	4.27	2.96
13	3.89	4.19	17.70	13.35	15.32	15.31	12.64	13.99	3.82	3.45	4.18	2.94
14	4.18	4.18	17.77	13.04	16.23	13.92	11.67	12.26	3.75	3.72	4.47	2.89
15	4.22	4.68	18.06	12.73	16.86	12.64	10.88	10.70	3.78	4.10	5.56	2.85
16	4.12	5.02	18.38	12.66	17.52	11.65	10.30	9.77	3.77	4.42	5.37	2.80
17	4.08	5.09	18.39	12.71	17.93	11.48	9.88	9.00	3.75	4.83	5.35	2.75
18	4.00	5.02	17.87	12.69	17.92	11.87	9.44	8.30	3.72	6.03	5.62	2.73
19	3.90	5.08	17.00	12.58	17.55	11.75	9.10	7.69	3.76	5.03	5.04	2.71
20	3.82	10.09	15.82	12.39	16.82	12.55	9.18	7.17	3.71	4.52	4.64	2.69
21	3.76	10.02	14.42	12.14	15.83	12.62	9.26	6.89	3.65	4.34	4.99	2.66
22	3.97	9.14	13.70	11.79	14.54	12.40	9.46	6.64	4.36	4.12	4.21	2.65
23	4.84	11.83	13.47	11.70	13.24	12.21	10.06	6.53	3.75	3.90	3.87	2.66
24	5.17	14.74	13.14	13.92	12.15	12.00	10.12	6.41	3.74	3.69	3.70	2.64
25	5.14	14.64	12.84	14.59	11.32	11.95	9.95	6.20	3.84	3.56	3.63	2.63
26	5.06	14.32	12.32	14.86	10.74	11.86	9.77	5.97	3.71	3.50	3.51	2.62
27	4.80	14.35	11.73	14.95	12.74	12.08	9.50	5.75	3.65	3.46	3.45	2.60
28	4.54	15.01	14.87	14.93	13.50	13.62	9.46	5.55	3.57	3.66	3.35	2.59
29	4.33	15.37	16.40	15.00	13.54	13.83	9.61	5.39	3.50	3.72	3.32	2.57
30	4.18	15.49	17.08	15.16	---	14.15	9.64	5.20	3.48	3.56	3.30	2.56
31	4.08	---	17.32	14.92	---	14.32	---	5.02	---	3.52	3.40	---
TOTAL	127.83	230.78	481.81	433.43	386.87	431.31	359.41	344.02	119.40	118.37	125.29	85.54
MEAN	4.12	7.69	15.54	13.98	13.34	13.91	11.98	11.10	3.98	3.82	4.04	2.85
MAX	5.17	15.49	18.39	17.83	17.93	18.08	15.95	19.86	4.88	6.03	5.62	3.33
MIN	3.56	3.91	11.73	11.32	8.80	11.48	9.10	5.02	3.48	3.28	3.30	2.56

CAL YR 1983 TOTAL 4268.30 MEAN 11.69 MAX 26.96 MIN 3.56
WTR YR 1984 TOTAL 3244.06 MEAN 8.86 MAX 19.86 MIN 2.56

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW¼ sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mi southwest of Walnut Grove, 0.6 mi upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 mi upstream from junction of north and south drainage canals, and 15.5 mi upstream from mouth.

DRAINAGE AREA.--411 mi^2, combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44(M).

GAGE.--Water-stage recorder. Datum of gages is 322.70 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 18, 1939, nonrecording gage and June 18, 1939 to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mi upstream at same datum. Water-stage recorder, on south canal right bank at upstream side of bridge on State Highway 35, 1 mi south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--46 years, 548 ft^3/s, 18.11 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft^3/s Jan. 7, 1950, gage height, 33.00 ft present datum, north canal, at site 0.2 miles upstream; maximum gage height, south canal, 31.53 ft Jan. 7, 1950, present datum, at site 1,800 ft downstream; minimum discharge, 2.4 ft^3/s Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft present datum, from floodmark, believed to be flood of April 1900.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 30	1330	*5740	25.77	Mar. 7	1530	5540	25.72

Minimum daily discharge, 6.6 ft^3/s, Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	25	316	990	305	1190	304	135	60	19	74	21
2	25	42	224	629	288	621	304	679	48	38	51	23
3	24	34	238	540	310	475	2650	2560	42	20	37	24
4	39	30	699	471	454	419	3130	3850	39	17	49	18
5	56	80	992	419	438	2790	2540	4080	35	16	61	16
6	37	100	2110	369	348	4570	1010	2030	34	14	86	15
7	29	69	2380	323	278	6250	453	540	31	14	84	15
8	26	64	1760	286	243	3680	651	326	28	31	73	13
9	24	78	864	260	226	1080	2800	288	33	74	76	9.9
10	25	60	419	1480	892	599	3410	222	28	57	102	13
11	24	52	2300	2470	2200	466	2900	171	27	44	74	11
12	23	46	3300	2270	2420	397	1070	131	24	40	83	10
13	32	42	3770	1360	3480	365	538	114	25	108	106	10
14	76	40	2860	706	3740	334	385	108	27	235	153	9.8
15	63	74	1720	574	3040	305	298	202	26	87	134	25
16	48	108	1090	648	2080	285	250	199	43	50	150	20
17	44	98	675	617	2580	307	218	116	32	74	91	16
18	40	65	469	857	2430	358	192	92	28	272	243	15
19	35	78	378	1670	1330	418	212	83	25	525	151	13
20	33	949	308	1560	698	1340	326	78	26	112	69	12
21	29	909	314	989	505	1340	293	86	21	52	92	11
22	60	565	1790	601	417	746	283	148	22	32	117	11
23	230	1570	2310	655	363	434	304	209	51	22	49	10
24	156	2660	1930	2020	318	525	227	165	32	31	52	28
25	86	2490	931	2500	273	1140	174	129	26	26	47	28
26	53	1380	492	2040	283	932	138	96	21	23	30	26
27	34	602	505	1280	2380	615	140	81	24	22	24	18
28	27	1020	3120	692	2970	947	148	312	26	213	22	15
29	25	940	4200	500	2570	877	134	554	21	1320	23	13
30	35	559	6180	429	---	593	127	174	20	899	25	12
31	26	---	3550	352	---	396	---	82	---	183	26	---
TOTAL	1490	14829	52194	30557	37859	34794	25609	18040	925	4670	2454	481.7
MEAN	48.1	494	1684	986	1305	1122	854	582	30.8	151	79.2	16.1
MAX	230	2660	6180	2500	3740	6250	3410	4080	60	1320	243	28
MIN	23	25	224	260	226	285	127	78	20	14	22	9.8
CFSM	.12	1.20	4.10	2.40	3.18	2.73	2.08	1.42	.08	.37	.19	.04
IN.	.13	1.34	4.72	2.77	3.43	3.15	2.32	1.63	.08	.42	.22	.04

CAL YR 1983 TOTAL 446294.0 MEAN 1223 MAX 20100 MIN 20 CFSM 2.98 IN 40.39
WTR YR 1984 TOTAL 223902.7 MEAN 612 MAX 6250 MIN 9.8 CFSM 1.49 IN 20.27

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.47	10.71	12.53	15.65	12.26	15.56	12.29	11.27	---	---	10.56	10.01
2	10.49	10.72	12.08	13.78	12.22	13.48	12.26	12.91	---	10.61	10.48	9.99
3	10.55	10.76	12.17	13.39	12.29	12.97	20.89	20.15	---	---	---	9.97
4	10.67	10.80	14.39	13.06	12.78	12.75	21.83	23.56	---	---	10.48	9.96
5	10.71	11.11	15.28	12.81	12.57	21.43	20.18	24.13	---	---	10.58	9.93
6	10.79	11.34	19.71	12.61	12.25	24.57	15.27	19.10	---	---	10.64	9.96
7	10.83	11.06	20.18	12.40	11.98	25.58	13.00	13.18	---	---	10.66	10.09
8	10.83	11.05	18.02	12.20	11.89	23.19	13.76	12.18	---	---	10.67	9.94
9	10.85	11.08	14.69	12.06	11.84	15.97	21.49	12.10	---	10.91	10.82	9.96
10	10.87	11.02	12.95	16.86	14.67	13.67	23.07	11.76	---	10.81	10.76	10.12
11	10.90	11.00	20.41	19.66	19.22	13.08	22.01	11.45	---	10.64	10.60	10.14
12	10.97	10.97	23.41	18.76	19.87	12.77	15.78	11.23	---	10.57	10.51	10.19
13	10.98	10.96	24.35	16.06	23.30	12.64	13.41	11.10	---	10.55	10.62	10.15
14	11.10	10.95	22.69	13.80	23.61	12.50	12.73	11.01	---	10.83	10.96	10.17
15	11.03	11.05	18.08	13.29	21.70	12.34	12.34	11.79	---	10.75	10.86	10.17
16	11.00	11.39	15.33	13.66	19.24	12.23	12.06	11.74	10.63	10.58	11.24	10.16
17	10.98	11.23	13.83	13.42	20.31	12.37	11.90	11.09	---	10.50	10.80	10.15
18	10.98	11.04	13.13	14.43	19.41	12.75	11.74	10.87	---	10.61	10.58	10.13
19	10.94	11.15	12.68	17.29	16.08	12.93	11.78	10.77	---	11.52	10.73	10.16
20	10.93	15.06	12.36	16.60	13.84	15.84	12.45	10.72	---	10.88	10.50	10.18
21	10.93	15.66	12.26	14.71	13.07	15.43	12.31	10.84	---	10.53	10.98	10.19
22	11.04	14.52	18.21	13.43	12.73	13.82	12.09	11.31	---	---	11.37	10.19
23	11.51	18.54	19.64	13.95	12.48	12.78	12.25	11.73	10.69	---	10.53	10.23
24	11.40	21.78	18.26	19.00	12.28	13.05	11.81	11.43	---	---	10.27	10.23
25	10.98	21.35	14.92	19.89	12.15	15.25	11.53	11.16	---	---	10.18	10.31
26	10.84	17.82	13.57	18.50	12.18	14.49	11.34	10.96	---	---	10.09	10.26
27	10.78	14.23	13.28	16.27	20.34	13.58	11.33	10.81	---	---	10.05	10.28
28	10.76	15.62	22.76	---	21.37	15.10	11.46	10.76	---	10.51	10.01	10.26
29	10.73	15.07	24.55	---	19.94	14.84	11.33	11.19	---	11.96	10.08	10.27
30	10.72	13.52	25.63	12.77	---	13.63	11.28	10.78	---	13.07	10.22	10.29
31	10.71	---	22.94	12.48	---	12.69	---	10.61	---	10.98	10.07	---
TOTAL	337.27	392.56	534.29	---	457.87	463.28	426.97	393.69	---	---	---	304.04
MEAN	10.88	13.09	17.24	---	15.79	14.94	14.23	12.70	---	---	---	10.13
MAX	11.51	21.78	25.63	---	23.61	25.58	23.07	24.13	---	---	---	10.31
MIN	10.47	10.71	12.08	---	11.84	12.23	11.28	10.61	---	---	---	9.93

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.0 mi south of Kosciusko.

DRAINAGE AREA.--303 mi2.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for period of doubtful or no gage height record, Feb. 18 to Mar. 16, which were poor.

AVERAGE DISCHARGE.--46 years, 454 ft3/s, 20.35 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,700 ft3/s Apr. 13, 1979, gage height, 23.06 ft; minimum discharge, 2.3 ft3/s Aug. 20-24, 1943; minimum gage height, 0.10 ft Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 3,000 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Nov. 24	1300	3450	13.38	Feb. 13	1200	3190	13.17
Dec. 5	1700	*8520	18.78	Apr. 6	0800	3560	13.45
Dec. 30	1800	4590	14.03	Apr. 29	1200	3040	13.03
Mar. 7	Unknown	Unknown	Unknown	May 4	0200	3010	13.00

Minimum discharge, 23 ft3/s, Sept. 18, gage height, 2.96 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	40	753	1420	218	1100	643	2310	45	29	35	32
2	30	40	304	564	205	900	321	1390	42	28	33	31
3	29	40	910	396	210	1400	432	1910	41	26	31	28
4	29	55	2950	328	241	2200	2120	2850	41	31	34	28
5	28	105	7390	292	219	2800	3140	2810	39	31	114	27
6	26	80	6520	269	185	3300	3410	2270	37	28	71	27
7	26	65	3630	240	162	3600	2280	844	40	59	110	26
8	25	64	2230	208	156	3200	694	1000	40	69	120	25
9	25	57	1300	190	154	1200	301	1420	37	38	70	25
10	25	53	497	899	840	550	405	1220	35	31	48	25
11	25	50	977	2020	2730	430	370	539	34	28	41	29
12	28	48	1770	2100	2770	360	268	206	33	27	35	29
13	60	47	1690	2020	3100	310	219	146	34	28	33	28
14	82	47	2280	1060	2580	260	191	121	34	190	38	26
15	60	243	2170	459	2150	260	168	106	33	118	45	24
16	43	294	1690	433	1570	230	147	92	34	59	44	24
17	37	152	1080	361	1030	199	135	80	34	43	41	24
18	35	100	453	624	800	716	129	73	32	37	37	24
19	33	105	307	931	500	1070	127	68	30	35	32	24
20	33	856	251	738	380	779	272	64	33	31	30	24
21	33	1060	281	383	270	636	823	68	32	29	28	24
22	121	1300	983	277	230	534	940	82	47	28	31	24
23	335	2090	1490	465	215	331	960	84	45	26	126	24
24	171	3290	1420	1730	205	243	868	75	48	27	83	24
25	96	3060	1190	2490	600	682	280	69	40	37	47	25
26	67	2860	1150	2500	750	1440	183	61	35	33	34	25
27	57	1950	1100	2040	960	1190	786	59	32	30	30	25
28	49	1350	2670	1020	1030	573	1860	55	31	28	31	25
29	44	1440	3800	432	1150	880	2920	54	31	28	37	24
30	42	1380	4260	319	---	1460	2410	50	28	26	39	25
31	41	---	3990	253	---	1260	---	46	---	28	37	---
TOTAL	1766	22321	61486	27461	25610	34093	27802	20222	1097	1286	1565	775
MEAN	57.0	744	1983	886	883	1100	927	652	36.6	41.5	50.5	25.8
MAX	335	3290	7390	2500	3100	3600	3410	2850	48	190	126	32
MIN	25	40	251	190	154	199	127	46	28	26	28	24
CFSM	.19	2.46	6.55	2.92	2.91	3.63	3.06	2.15	.12	.14	.17	.09
IN.	.22	2.74	7.55	3.37	3.14	4.19	3.41	2.48	.13	.16	.19	.10

CAL YR 1983 TOTAL 398879 MEAN 1093 MAX 15500 MIN 24 CFSM 3.61 IN 48.97
WTR YR 1984 TOTAL 225484 MEAN 616 MAX 7390 MIN 24 CFSM 2.03 IN 27.68

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi east of Ofahoma, 3.5 mi upstream from mouth, and 8.5 mi southwest of Carthage.

DRAINAGE AREA.--469 mi^2.

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for periods of missing or no gage height, which are poor.

AVERAGE DISCHARGE.--41 years, 718 ft^3/s, 20.79 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft^3/s Apr. 14, 1979, gage height, 23.27 ft; minimum, 4.9 ft^3/s Aug. 20, Sept. 11, 1954; minimum gage height, 0.72 ft Sept. 30, 1984.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 28	0930	3110	13.73	Mar. 9	1100	4870	15.83
Dec. 7	1815	*8630	17.35	Apr. 7	Unknown	Unknown	Unknown
Dec. 16	0300	2720	13.04	May 2	Unknown	Unknown	Unknown
Jan. 2	0130	4410	15.46	May 7	Unknown	Unknown	Unknown
Feb. 14	0445	4060	15.11				

Minimum discharge, 20 ft^3/s Sept. 30, gage height, 0.72 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	62	1690	3880	824	1330	1600	2340	78	40	47	46
2	41	58	1490	4060	574	1510	1440	2990	72	38	35	47
3	39	57	1440	2820	469	1450	1560	2950	68	35	48	42
4	37	61	1530	1750	425	1150	1710	2700	64	39	54	39
5	36	80	1430	1130	404	2310	1980	2270	61	35	41	36
6	34	88	2580	796	397	3780	2740	2520	59	33	47	33
7	33	127	7620	628	377	4170	3280	2900	57	44	132	29
8	32	120	6970	534	342	4660	2920	2810	54	84	128	28
9	31	100	4390	472	312	4790	2000	2560	53	84	129	27
10	30	87	3030	729	549	3940	1270	2200	56	105	178	26
11	30	70	2900	1080	867	2690	860	1950	54	67	131	25
12	30	63	2650	1100	1110	1670	728	1670	50	47	83	24
13	33	60	1900	1460	3060	1000	605	1410	47	38	69	24
14	34	58	1930	1880	3990	651	485	1070	45	39	70	26
15	47	71	2510	2050	3530	523	405	860	44	38	56	28
16	76	74	2680	1870	3250	467	349	687	48	159	52	26
17	71	149	2460	1370	2930	742	305	530	44	184	83	24
18	57	265	2150	1000	2460	828	277	436	42	126	102	23
19	47	230	1800	909	1880	744	271	355	42	78	66	22
20	42	377	1410	861	1410	1000	302	300	42	56	54	21
21	39	351	976	944	1030	1250	369	255	39	47	66	21
22	50	416	926	1010	729	1180	626	218	40	41	51	20
23	69	1060	919	1050	553	972	1000	184	50	36	82	20
24	121	1900	954	1720	461	829	1170	156	55	35	64	20
25	226	2670	1180	1780	406	827	1120	155	64	32	140	20
26	219	2880	1300	1890	375	823	1060	136	65	31	135	21
27	153	2960	1380	2330	837	1160	1060	124	60	34	79	21
28	106	3080	2690	2440	952	1680	1080	111	50	39	55	20
29	86	2850	3320	2320	1030	1920	1200	99	44	35	46	20
30	74	2260	3300	1870	---	1750	1720	90	40	32	40	20
31	66	---	3340	1290	---	1620	---	84	---	63	45	---
TOTAL	2032	22684	74845	49023	35533	53416	35492	37120	1587	1794	2408	799
MEAN	65.5	756	2414	1581	1225	1723	1183	1197	52.9	57.9	77.7	26.6
MAX	226	3080	7620	4060	3990	4790	3280	2990	78	184	178	47
MIN	30	57	919	472	312	467	271	84	39	31	35	20
CFSM	.14	1.61	5.15	3.37	2.61	3.67	2.52	2.55	.11	.12	.17	.06
IN.	.16	1.80	5.94	3.89	2.82	4.24	2.82	2.94	.13	.14	.19	.06

CAL YR 1983 TOTAL 588846 MEAN 1613 MAX 21000 MIN 30 CFSM 3.44 IN 46.71
WTR YR 1984 TOTAL 316733 MEAN 865 MAX 7620 MIN 20 CFSM 1.84 IN 25.12

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.38	1.50	10.47	14.86	6.88	9.13	10.18	---	1.98	1.25	1.35	1.32
2	1.34	1.46	9.76	15.07	5.57	9.86	9.56	---	1.89	1.22	1.16	1.33
3	1.30	1.43	9.59	13.17	4.95	9.62	10.04	---	1.83	1.16	1.38	1.24
4	1.28	1.49	9.93	10.62	4.67	8.39	10.53	---	1.78	1.22	1.47	1.18
5	1.26	1.75	9.53	8.29	4.53	11.72	11.35	---	1.72	1.14	1.25	1.14
6	1.23	1.84	12.47	6.75	4.49	14.78	13.07	---	1.69	1.11	1.35	1.07
7	1.21	2.29	17.00	5.88	4.35	15.21	14.02	---	1.65	1.30	2.42	1.00
8	1.19	2.22	16.80	5.34	4.11	15.67	13.40	---	1.61	1.86	2.38	.97
9	1.18	1.99	15.37	4.97	3.89	15.77	11.40	---	1.58	1.86	2.38	.95
10	1.16	1.86	13.57	6.35	5.32	14.92	8.90	---	1.62	2.12	2.88	.93
11	1.15	1.77	13.35	8.08	7.10	12.93	7.07	---	1.58	1.64	2.41	.90
12	1.15	1.68	12.87	8.18	8.13	10.34	6.41	---	1.52	1.35	1.87	.88
13	1.21	1.63	11.13	9.64	13.51	7.71	5.75	---	1.47	1.20	1.68	.88
14	1.22	1.61	11.19	11.08	15.03	5.99	5.05	---	1.43	1.22	1.70	.92
15	1.45	1.79	12.60	11.55	14.40	5.27	4.54	---	1.41	1.19	1.50	.94
16	1.87	1.82	12.96	11.02	13.96	4.94	4.17	---	1.46	2.66	1.43	.91
17	1.80	2.63	12.51	9.26	13.42	6.43	3.86	---	1.41	2.92	1.85	.86
18	1.59	3.54	11.78	7.73	12.49	6.91	3.65	---	1.36	2.35	2.09	.83
19	1.44	3.34	10.83	7.30	11.04	6.49	3.61	---	1.36	1.79	1.64	.80
20	1.36	4.34	9.46	7.08	9.45	7.74	3.85	---	1.34	1.49	1.46	.79
21	1.31	4.18	7.61	7.47	7.85	8.82	4.31	---	1.29	1.35	1.64	.77
22	1.46	4.61	7.38	7.77	6.41	8.50	5.84	---	1.30	1.25	1.42	.76
23	1.60	7.93	7.35	7.93	5.45	7.60	7.72	---	1.45	1.16	1.84	.76
24	2.20	11.09	7.51	10.55	4.90	6.92	8.46	2.93	1.53	1.13	1.61	.75
25	3.22	12.92	8.50	10.77	4.54	6.91	8.25	2.83	1.66	1.09	2.49	.75
26	3.16	13.32	9.03	11.10	4.34	6.89	7.99	2.63	1.68	1.07	2.44	.76
27	2.55	13.47	9.34	12.22	6.92	8.42	8.00	2.49	1.58	1.13	1.80	.75
28	2.06	13.68	12.80	12.47	7.51	10.44	---	2.35	1.44	1.22	1.46	.74
29	1.83	13.27	14.08	12.20	7.88	11.19	---	2.25	1.33	1.15	1.32	.74
30	1.67	12.03	14.05	11.01	---	10.68	---	2.14	1.27	1.11	1.23	.73
31	1.56	---	14.11	8.97	---	10.23	---	2.06	---	1.57	1.29	---
TOTAL	49.39	148.48	354.93	294.68	223.09	296.42	---	---	46.22	45.28	54.19	27.35
MEAN	1.59	4.95	11.45	9.51	7.69	9.56	---	---	1.54	1.46	1.75	.91
MAX	3.22	13.68	17.00	15.07	15.03	15.77	---	---	1.98	2.92	2.88	1.33
MIN	1.15	1.43	7.35	4.97	3.89	4.94	---	---	1.27	1.07	1.16	.73

CAL YR 1983 TOTAL 2564.05 MEAN 7.02 MAX 20.05 MIN 1.15

02484630 PEARL RIVER AT COAL BLUFF NEAR RATLIFF, MS

LOCATION.--Lat 32°35'25", long 89°46'49", in NW¼ sec.34, T.9 N., R.5 E., Choctaw Meridian, Scott County, on left bank at Coal Bluff Park, 0.5 mi upstream from Sycamore Creek and 1.8 mi northeast of Ratliff.

DRAINAGE AREA.--2,595 mi^2.

PERIOD OF RECORD.--January 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.49 ft May 23, 1983, minimum, 5.43 ft Nov. 29, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--A gage-height of approximately 26.5 ft occurred Apr. 15, 1973 as reported by Park Ranger.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.03 ft Mar. 9, minimum, 6.17 ft Nov. 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.90	6.52	11.12	15.52	9.79	10.88	9.81	7.09	7.03	6.97	7.11	7.12
2	6.88	6.50	10.52	15.21	8.99	10.28	9.55	7.89	7.04	6.99	7.11	7.10
3	6.86	6.49	10.08	14.13	8.23	9.52	10.00	10.20	7.02	6.98	7.13	7.06
4	6.87	6.52	9.82	13.05	7.66	9.01	11.82	13.78	7.03	6.99	7.12	6.99
5	6.81	6.46	9.94	12.01	7.39	10.60	12.79	15.88	7.03	6.97	7.13	6.95
6	6.72	6.50	10.59	10.87	7.07	14.34	12.94	16.28	7.01	6.92	7.19	6.93
7	6.71	6.51	12.66	9.69	6.83	16.26	12.66	15.95	7.00	6.90	7.25	6.89
8	6.68	6.50	14.99	8.60	6.60	16.89	12.09	15.11	7.01	6.87	7.35	6.88
9	6.64	6.49	15.01	7.75	6.41	17.03	11.62	14.83	7.01	6.85	7.39	6.88
10	6.63	6.50	13.42	7.68	6.76	16.22	11.81	14.43	6.97	6.87	7.37	6.88
11	6.62	6.36	13.04	9.34	8.78	14.19	11.72	13.33	6.98	6.87	7.46	6.86
12	6.66	6.29	14.45	10.41	10.11	12.44	11.26	12.11	6.99	6.90	7.47	6.83
13	6.66	6.26	15.21	10.53	11.93	11.12	9.92	10.89	6.99	6.97	7.48	6.81
14	6.61	6.28	14.97	10.28	14.25	9.84	8.35	9.57	6.98	7.00	7.59	6.79
15	6.61	6.28	14.77	9.87	15.21	8.67	7.51	8.23	6.94	7.01	7.65	6.70
16	6.61	6.18	14.63	9.64	15.26	7.79	7.04	7.37	6.98	7.01	7.63	6.65
17	6.62	6.17	14.02	9.39	15.15	7.40	6.76	7.03	6.97	7.04	7.56	6.64
18	6.61	6.19	13.41	8.99	14.84	7.86	6.57	6.88	6.99	7.04	7.54	6.61
19	6.60	6.20	12.70	8.91	14.30	7.88	6.54	6.84	6.99	7.07	7.51	6.59
20	6.59	6.66	11.79	9.17	13.20	8.31	6.45	6.82	6.97	7.10	7.45	6.58
21	6.57	7.42	10.67	9.11	11.69	9.41	6.48	6.83	6.96	7.05	7.40	6.56
22	6.67	7.43	9.67	8.74	10.42	9.44	6.66	6.91	6.98	7.04	7.39	6.55
23	6.66	7.82	9.85	8.55	9.26	8.74	7.00	6.91	6.99	7.02	7.32	6.55
24	6.67	10.19	10.17	10.14	8.29	8.21	7.34	6.92	7.04	6.99	7.28	6.55
25	6.68	11.83	9.98	11.92	7.54	8.43	7.40	7.01	6.98	7.03	7.25	6.52
26	6.68	12.33	9.40	12.27	7.10	8.75	7.29	7.03	6.97	7.04	7.25	6.48
27	6.67	12.15	8.79	12.09	8.19	8.62	7.22	7.04	6.98	7.03	7.24	6.46
28	6.64	11.68	10.61	11.73	10.32	9.90	7.01	7.07	7.00	6.98	7.23	6.42
29	6.61	11.80	13.80	11.26	10.97	10.87	6.77	6.99	7.01	6.98	7.21	6.36
30	6.59	11.67	15.28	10.90	---	10.60	6.79	7.02	7.00	7.14	7.17	6.35
31	6.55	---	15.50	10.43	---	10.10	---	7.02	---	7.19	7.15	---
TOTAL	206.88	232.18	380.86	328.18	292.54	329.60	267.17	297.26	209.84	216.81	227.38	201.54
MEAN	6.67	7.74	12.29	10.59	10.09	10.63	8.91	9.59	6.99	6.99	7.33	6.72
MAX	6.90	12.33	15.50	15.52	15.26	17.03	12.94	16.28	7.04	7.19	7.65	7.12
MIN	6.55	6.17	8.79	7.68	6.41	7.40	6.45	6.82	6.94	6.85	7.11	6.35

CAL YR 1983 TOTAL 3966.29 MEAN 10.87 MAX 24.38 MIN 6.17
WTR YR 1984 TOTAL 3190.24 MEAN 8.72 MAX 17.03 MIN 6.17

02485700 HANGING MOSS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'57", long 90°08'57", in NE¼ sec.13, T.6 N., R.1 E., Choctaw Meridian, Hydrologic Unit 03180002, on left bank of Hanging Moss Creek, 600 ft east of Old Canton Road, at Parham Bridges Park, 0.7 mi upstream from Whiteoak Creek, and 1.4 mi upstream from the mouth.

DRAINAGE AREA.--16.8 mi^2.

PERIOD OF RECORD.--October 1980 to current year (fragmentary). October 1952 to September 1980 (annual maximums only).

GAGE.--Water-stage recorder. Datum of gage is 260.00 ft National Geodetic Vertical Datum of 1929 (Corrected). Prior to July 11, 1980, at datum 1.33 ft higher, at site located 0.6 mi upstream at downstream side of bridge on frontage road, 100 ft downstream from U. S. Highway 51 (Interstate 55).

REMARKS.--Records good. Discharge for periods of backwater from Pearl River not determined.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,320 ft^3/s Apr. 29, 1953, gage height 99.60 ft; minimum daily, 0.41 ft^3/s Aug. 15, 1983, gage height, 8.15 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,880 ft^3/s Mar. 5, gage height, 17.10 ft; minimum daily discharge, 0.50 ft^3/s Oct. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.4	3.1	9.2	3.1	6.8	5.0	7.5	1.1	.98	1.4	2.3
2	1.3	1.4	2.6	7.5	3.5	5.0	90	2.9	1.2	1.2	1.6	20
3	1.2	1.3	120	6.6	13	12	6.0	673	1.3	1.7	1.2	3.7
4	1.2	6.0	32	6.0	7.8	26	4.0	30	1.4	1.4	14	2.3
5	1.2	2.8	37	5.4	4.9	1320	3.6	10	1.4	1.4	9.7	2.3
6	1.1	1.3	195	4.6	3.5	62	3.2	6.1	1.3	1.8	1.1	2.4
7	1.1	2.1	14	4.4	2.1	19	3.0	20	1.5	3.2	8.4	2.5
8	1.1	1.3	6.8	4.2	1.9	12	25	352	1.1	1.8	5.6	2.5
9	1.0	1.0	4.9	6.6	4.8	7.3	4.0	18	1.3	1.4	2.7	2.4
10	1.0	1.1	50	264	426	5.5	2.8	7.3	1.3	1.6	2.1	2.5
11	1.0	1.2	746	27	34	4.7	2.5	4.5	1.3	1.6	141	2.5
12	6.0	1.3	22	14	597	5.3	2.2	3.5	1.3	29	3.9	2.7
13	1.8	1.3	92	10	69	6.0	1.9	2.9	1.4	62	17	2.8
14	1.7	8.5	172	8.2	18	7.8	1.7	5.9	1.5	11	10	2.7
15	.60	19	19	20	11	8.0	1.5	9.8	1.5	3.7	3.0	2.7
16	.50	2.1	13	20	194	10	1.9	3.3	1.4	1.3	1.3	2.7
17	.60	1.1	14	12	20	12	1.9	2.6	1.4	.98	1.1	2.8
18	.70	1.0	9.6	63	11	10	1.3	2.3	1.5	.84	1.1	3.2
19	.70	41	6.6	20	7.8	14	152	1.4	2.3	.87	1.3	2.9
20	.60	28	5.1	9.6	5.1	12	20	1.3	1.3	.85	1.1	3.0
21	.70	1.8	23	8.5	4.7	11	5.8	1.4	4.5	.82	1.1	3.0
22	37	220	65	7.8	4.0	12	7.7	3.9	2.0	.82	82	3.1
23	2.6	656	18	596	3.0	12	3.2	1.8	1.3	1.6	14	4.1
24	1.6	19	9.2	143	2.5	27	2.2	1.8	6.1	.86	3.8	2.7
25	1.3	5.7	5.4	25	2.3	4.9	1.8	1.7	4.2	2.6	2.5	2.6
26	1.4	3.7	9.6	14	179	2.6	71	1.5	.99	1.2	2.3	2.6
27	1.1	320	116	11	259	2.5	47	2.6	.81	1.0	2.2	2.6
28	1.2	27	423	7.2	26	2.4	7.4	4.6	.77	1.7	2.4	2.6
29	1.4	7.5	26	5.1	11	2.3	3.8	1.3	2.0	1.2	2.2	2.8
30	1.4	4.6	14	5.4	---	2.2	3.2	1.2	.93	1.1	2.3	2.7
31	1.6	---	12	3.7	---	2.1	---	1.3	---	1.3	2.3	---
TOTAL	77.00	1389.5	2285.9	1349.0	1929.0	1646.4	486.6	1187.4	51.40	142.82	345.7	99.7
MEAN	2.48	46.3	73.7	43.5	66.5	53.1	16.2	38.3	1.71	4.61	11.2	3.32
MAX	37	656	746	596	597	1320	152	673	6.1	62	141	20
MIN	.50	1.0	2.6	3.7	1.9	2.1	1.3	1.2	.77	.82	1.1	2.3
CFSM	.15	2.76	4.39	2.59	3.96	3.16	.96	2.28	.10	.27	.67	.20
IN.	.17	3.08	5.06	2.99	4.27	3.65	1.08	2.63	.11	.32	.77	.22

WTR YR 1984 TOTAL 10990.42 MEAN 30.0 MAX 1320 MIN .50 CFSM 1.79 IN 24.33

02485700 HANGING MOSS CREEK AT JACKSON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.41	8.27	8.33	8.55	8.40	8.55	---	8.55	8.29	8.32	8.35	8.30
2	8.42	8.27	8.30	8.50	8.42	8.49	---	8.40	8.30	8.34	8.36	8.54
3	8.45	8.26	9.64	8.47	8.71	8.67	---	11.42	8.31	8.38	8.33	8.36
4	8.47	8.50	8.94	8.45	8.58	8.77	---	8.98	8.32	8.36	8.50	8.29
5	8.47	8.36	9.00	8.43	8.48	13.15	---	8.65	8.32	8.36	8.61	8.30
6	8.48	8.26	10.00	8.40	8.42	9.30	---	8.53	8.31	8.39	8.32	8.30
7	8.47	8.32	8.67	8.39	8.34	8.83	---	8.61	8.32	8.47	8.51	8.30
8	8.47	8.26	8.48	8.38	8.33	8.69	---	10.41	8.30	8.39	8.55	8.30
9	8.46	8.23	8.41	8.47	8.44	8.57	---	8.81	8.32	8.36	8.42	8.30
10	8.46	8.24	9.14	10.26	10.47	8.51	---	8.57	8.32	8.37	8.39	8.30
11	8.46	8.25	11.64	8.88	9.03	8.48	---	8.47	8.32	8.37	9.47	8.31
12	8.60	8.26	8.80	8.66	10.92	8.50	---	8.43	8.32	8.63	8.48	8.32
13	8.40	8.26	9.47	8.58	9.31	8.53	8.34	8.40	8.33	9.08	8.73	8.32
14	8.39	8.58	9.90	8.52	8.80	8.59	8.32	8.48	8.34	8.61	8.64	8.32
15	8.28	8.80	8.76	8.78	8.65	8.60	8.31	8.63	8.35	8.48	8.44	8.32
16	8.26	8.32	8.65	8.78	9.86	8.65	8.33	8.42	8.34	8.34	8.33	8.32
17	8.28	8.24	8.66	8.61	8.84	8.69	8.34	8.38	8.34	8.31	8.31	8.32
18	8.30	8.23	8.56	9.26	8.67	8.66	8.29	8.36	8.35	8.29	8.31	8.34
19	8.29	9.10	8.47	8.77	8.58	8.74	9.55	8.30	8.39	8.30	8.33	8.33
20	8.28	8.94	8.42	8.56	8.49	8.70	8.83	8.29	8.33	8.29	8.31	8.33
21	8.30	8.30	8.82	8.53	8.47	8.68	8.52	8.30	8.45	8.29	8.31	8.34
22	9.15	10.15	9.27	8.51	8.44	8.69	8.56	8.43	8.39	8.29	8.88	8.34
23	8.35	11.40	8.73	11.18	8.39	8.70	8.42	8.33	8.34	8.34	8.64	8.38
24	8.28	8.76	8.55	9.83	8.36	8.89	8.36	8.33	8.47	8.29	8.37	8.31
25	8.26	8.44	8.43	8.92	8.36	8.48	8.33	8.33	8.48	8.37	8.30	8.31
26	8.27	8.36	8.56	8.73	9.15	---	8.86	8.32	8.31	8.33	8.29	8.31
27	8.24	10.44	9.62	8.67	10.05	---	9.09	8.36	8.29	8.31	8.29	8.31
28	8.25	8.88	10.73	8.56	8.93	---	8.57	8.46	8.28	8.35	8.30	8.31
29	8.27	8.50	8.86	8.49	8.66	---	8.44	8.30	8.37	8.33	8.29	8.32
30	8.28	8.40	8.67	8.50	---	---	8.41	8.29	8.31	8.32	8.29	8.32
31	8.28	---	8.61	8.43	---	---	---	8.30	---	8.34	8.30	---
TOTAL	260.03	259.58	279.09	272.05	256.55	---	---	266.84	250.21	260.00	261.95	249.77
MEAN	8.39	8.65	9.00	8.78	8.85	---	---	8.61	8.34	8.39	8.45	8.33
MAX	9.15	11.40	11.64	11.18	10.92	---	---	11.42	8.48	9.08	9.47	8.54
MIN	8.24	8.23	8.30	8.38	8.33	---	---	8.29	8.28	8.29	8.29	8.29

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", long 90°10'43", in NE¼NE¼ sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi downstream from Illinois Central Railroad bridge, 0.4 mi downstream from Town Creek, 4.2 mi upstream from Richland Creek, and at mile 287.0.

DRAINAGE AREA.--3,171 mi2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M).

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi upstream, at datum 1.20 ft higher. Since Oct. 1, 1962, supplementary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi upstream (channel change). Datum of supplementary gage is 239.40 ft NGVD.

REMARKS.--Records good. About 48 ft3/s is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plan at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi upstream.

AVERAGE DISCHARGE.--67 years (1901-12, 1928-84), 4,169 ft3/s, 17.85 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft3/s Apr. 17, 1979, gage height, 43.28 ft, minimum daily discharge regulated, 45 ft3/s Oct. 5, 1956, Sept. 18, 1963; minimum daily unregulated, 78 ft3/s Oct. 11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft and the flood of Dec. 5, 1880, reached a stage of 36½ ft, at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft, according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,200 ft3/s Mar. 8, gage height, 28.60 ft; minimum discharge 29 ft3/s June 14, minimum gage height, 3.15 ft Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	434	443	8380	17600	7830	9890	7390	2990	293	179	124	335
2	427	413	8070	15800	6470	9500	6680	4130	290	168	106	454
3	417	225	8250	14100	5640	8520	8460	7380	293	203	106	409
4	411	249	8380	13300	4750	7610	9220	10500	292	171	115	261
5	381	182	6720	12300	3940	13600	9960	13600	288	159	202	333
6	193	125	8700	11600	3220	19000	10800	16500	284	151	105	329
7	172	193	9570	9890	2660	20300	11200	17000	277	156	122	329
8	165	407	11100	7860	2580	20800	11400	17500	127	149	242	176
9	169	518	12400	5930	2560	20700	11100	16000	101	142	165	185
10	162	795	12800	6440	3590	20700	10100	13500	80	132	186	164
11	160	797	16100	6750	4700	19200	9570	11300	65	130	1220	168
12	179	793	17000	6770	8330	17600	8810	9470	61	212	490	147
13	208	788	17300	6970	13500	15100	7610	8970	57	781	612	145
14	168	786	19000	7040	15000	12100	6140	8240	47	554	753	151
15	165	835	17000	7090	17200	9360	4750	6640	53	224	1050	157
16	152	775	14900	7100	19500	6890	3420	4230	192	155	1060	156
17	160	776	14800	7060	20000	5090	2560	1970	153	135	1220	151
18	151	767	14200	6910	19700	3490	1650	827	155	109	1080	171
19	140	1180	12900	6050	18000	2800	2700	462	138	135	1060	155
20	140	3370	11600	5110	16000	2830	4720	450	154	124	1060	158
21	136	3330	10000	4720	14800	4070	3280	448	173	118	958	140
22	402	4010	8830	4610	12600	6010	1970	1020	230	126	1020	153
23	184	8270	7670	5780	9990	7060	1340	616	212	125	872	174
24	158	10800	6670	8540	7410	6640	2000	360	266	159	642	186
25	154	11500	6950	9890	4750	5880	3000	311	230	150	385	166
26	147	11100	6950	11900	3810	5700	3240	314	184	132	355	170
27	211	11800	6230	12500	7090	6330	4340	349	189	92	362	179
28	439	11200	8910	11800	7570	6570	3370	456	186	174	351	183
29	456	9550	11500	10800	9050	6790	3080	315	217	116	348	167
30	449	8960	15200	10100	---	7860	2530	315	200	102	347	190
31	445	---	17000	9110	---	8130	---	296	---	104	342	---
TOTAL	7735	104937	355080	281420	272240	316120	176390	176459	5487	5567	17060	6242
MEAN	250	3498	11450	9078	9388	10200	5880	5692	183	180	550	208
MAX	456	11800	19000	17600	20000	20800	11400	17500	293	781	1220	454
MIN	136	125	6230	4610	2560	2800	1340	296	47	92	105	140
CFSM	.08	1.10	3.61	2.86	2.96	3.22	1.85	1.80	.06	.06	.17	.07
IN.	.09	1.23	4.17	3.30	3.19	3.71	2.07	2.07	.06	.07	.20	.07

CAL YR 1983 TOTAL 3933941 MEAN 10780 MAX 78600 MIN 125 CFSM 3.40 IN 46.15
WTR YR 1984 TOTAL 1724737 MEAN 4712 MAX 20800 MIN 47 CFSM 1.49 IN 20.23

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.12	5.25	20.09	27.55	18.61	21.33	18.54	10.48	4.36	3.80	3.68	4.32
2	5.11	5.17	19.67	26.57	16.57	20.93	17.33	12.75	4.33	3.75	3.61	4.62
3	5.09	4.59	19.91	25.53	15.20	19.79	20.06	18.43	4.33	3.88	3.62	4.49
4	5.07	4.66	20.06	24.91	13.73	18.61	21.04	22.47	4.31	3.77	3.65	4.05
5	4.99	4.43	17.48	24.19	12.34	24.13	21.89	25.08	4.28	3.73	3.95	4.27
6	4.40	4.23	20.48	23.49	10.93	27.60	22.71	27.00	4.25	3.70	3.63	4.25
7	4.32	4.47	21.56	21.88	9.82	28.22	23.08	27.23	4.21	3.73	3.68	4.24
8	4.31	5.15	23.07	19.32	9.65	28.45	23.30	27.49	3.68	3.71	4.11	3.71
9	4.32	5.45	24.22	16.06	9.61	28.42	22.99	26.68	3.56	3.68	3.86	3.74
10	4.30	6.16	24.56	16.99	11.58	28.41	22.09	25.08	3.46	3.64	3.94	3.65
11	4.29	6.16	26.70	17.55	13.66	27.76	21.57	23.25	3.38	3.64	6.58	3.65
12	4.37	6.15	27.23	17.59	18.95	27.01	20.63	21.44	3.35	3.89	4.88	3.56
13	4.47	6.14	27.40	17.94	24.00	25.59	18.98	20.84	3.34	5.48	5.18	3.54
14	4.33	6.14	28.23	18.06	24.98	23.42	16.44	19.89	3.30	4.93	5.55	3.56
15	4.33	6.24	27.26	18.16	26.32	20.89	13.90	17.33	3.33	3.97	6.27	3.57
16	4.28	6.11	26.06	18.16	27.48	17.54	11.34	12.91	3.88	3.75	6.28	3.55
17	4.31	6.11	25.99	18.11	27.75	14.44	9.62	8.40	3.74	3.68	6.65	3.52
18	4.29	6.09	25.60	17.83	27.62	11.48	7.64	5.84	3.76	3.58	6.33	3.58
19	4.25	6.96	24.58	16.28	26.81	10.09	9.80	4.92	3.70	3.68	6.30	3.51
20	4.25	11.30	23.49	14.57	25.73	10.15	13.85	4.90	3.77	3.65	6.28	3.51
21	4.24	11.22	22.06	13.85	25.01	12.60	11.05	4.89	3.82	3.63	6.05	3.44
22	5.07	12.49	20.66	13.66	23.46	16.07	8.34	6.31	4.02	3.66	6.18	3.47
23	4.42	19.82	19.08	15.67	21.28	17.92	6.94	5.34	3.95	3.66	5.83	3.54
24	4.34	22.82	---	19.88	18.14	17.20	8.40	4.66	4.12	3.79	5.26	3.57
25	4.32	23.43	---	21.14	13.77	15.86	10.49	4.52	4.01	3.76	4.55	3.49
26	4.30	23.10	---	22.64	12.05	15.55	10.97	4.51	3.84	3.69	4.45	3.49
27	4.52	23.66	16.60	23.10	17.74	16.67	13.14	4.60	3.86	3.54	4.46	3.51
28	5.23	23.18	20.73	22.51	18.49	17.09	11.23	4.89	3.84	3.85	4.42	3.51
29	5.28	21.54	23.48	21.72	20.39	17.49	10.65	4.47	3.93	3.64	4.40	3.44
30	5.27	20.82	26.25	21.17	---	19.22	9.56	4.46	3.88	3.59	4.38	3.52
31	5.25	---	27.20	20.14	---	19.61	---	4.38	---	3.60	4.36	---
TOTAL	142.44	319.04	---	616.22	541.67	619.54	457.57	415.44	115.59	118.05	152.37	111.87
MEAN	4.59	10.63	---	19.88	18.68	19.99	15.25	13.40	3.85	3.81	4.92	3.73
MAX	5.28	23.66	---	27.55	27.75	28.45	23.30	27.49	4.36	5.48	6.65	4.62
MIN	4.24	4.23	---	13.66	9.61	10.09	6.94	4.38	3.30	3.54	3.61	3.44

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW¼ sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi east of Monticello, 2.5 mi upstream from Halls Creek, 4.1 mi upstream from Silver Creek and at mile 190.8.

DRAINAGE AREA.--4,993 mi2.

PERIOD OF RECORD.--October 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1939, 1949.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 6,835 ft^3/s, 18.59 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft^3/s Apr. 20, 1979, gage height, 34.08 ft; minimum, 269 ft^3/s Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft, from reports of National Weather Service, discharge, about 100,000 ft^3/s, from rating curve extended above 70,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 22,000 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 29	2145	25000	21.69	Mar. 6	1945	*42700	25.36
Feb. 18	1045	24700	21.58				

Minimum discharge, 583 ft^3/s Sept. 30, gage height, 5.31 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	810	908	10200	19600	10000	11600	9370	3970	1290	1000	1500	902
2	806	923	9160	18400	9290	10900	9490	3770	1150	815	1070	866
3	800	928	8530	17600	8310	11800	12200	6730	1070	748	855	845
4	800	929	8790	17000	7300	16300	15300	11300	1020	690	781	883
5	801	897	9230	16100	6500	24400	14600	13400	993	674	756	922
6	799	818	9880	14900	5710	40100	13300	13400	964	668	745	814
7	794	811	10600	13800	5020	40900	12400	14100	920	653	790	769
8	762	785	10700	12700	4410	36800	12100	15200	915	859	2030	785
9	707	755	10400	11300	4010	32800	13300	16400	885	1180	4250	800
10	683	792	10400	9750	3960	28800	14600	17300	847	1080	2310	775
11	692	878	12800	9170	4160	25200	14900	17600	788	786	1550	715
12	709	1040	16300	9450	6900	23000	13800	16600	743	713	2340	688
13	740	1190	17600	9210	17200	21700	12100	14500	733	858	3560	671
14	750	1220	17800	8710	19800	20400	10600	12200	710	1260	3910	666
15	758	1260	18100	8730	19000	18800	9180	10600	700	1830	5270	662
16	757	1270	17900	9150	19800	16100	7510	9440	716	2050	3610	652
17	741	1270	17400	8900	23500	12800	6040	7570	684	1630	2390	638
18	734	1270	16600	9730	24600	9400	4860	5240	661	1290	1990	627
19	729	1280	15500	11600	24200	7120	3980	3400	673	971	1930	619
20	718	1720	14500	11000	22800	7090	3270	2310	684	799	1810	614
21	713	2870	13500	9120	21000	6360	4740	1810	684	733	1710	611
22	738	3930	14500	7480	18900	6410	5410	3600	635	708	1630	612
23	815	5770	15500	6660	16600	7230	4390	3650	1250	706	1750	618
24	914	11400	13500	7340	14500	9840	3270	3200	2290	764	2130	623
25	946	12000	10600	10500	12000	14700	2700	2470	1710	718	1950	625
26	817	11300	8520	11700	9200	13000	3290	1870	1210	725	1460	623
27	762	11300	7950	11700	11100	10200	4050	1720	934	728	1150	614
28	744	11600	17800	11600	13700	9000	4580	2280	786	714	987	598
29	731	11900	24000	11600	13100	8770	4860	2320	1550	770	988	589
30	780	11300	24100	11200	---	8720	4340	1910	1710	2500	969	585
31	877	---	21700	10600	---	8930	---	1510	---	2300	943	---
TOTAL	23927	114314	434060	356300	376570	519170	254530	241370	29885	31920	59114	21011
MEAN	772	3810	14000	11490	12990	16750	8484	7786	996	1030	1907	700
MAX	946	12000	24100	19600	24600	40900	15300	17600	2290	2500	5270	922
MIN	683	755	7950	6660	3960	6360	2700	1510	635	653	745	585
CFSM	.16	.76	2.80	2.30	2.60	3.36	1.70	1.56	.20	.21	.38	.14
IN.	.18	.85	3.23	2.65	2.81	3.87	1.90	1.80	.22	.24	.44	.16

CAL YR 1983 TOTAL 5593431 MEAN 15320 MAX 78000 MIN 680 CFSM 3.07 IN 41.67
WTR YR 1984 TOTAL 2462171 MEAN 6727 MAX 40900 MIN 585 CFSM 1.35 IN 18.34

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.36	6.42	15.47	19.77	14.69	15.79	13.90	9.78	6.65	6.44	7.10	6.07
2	6.35	6.45	14.78	19.32	14.15	15.32	14.00	9.52	6.43	6.07	6.40	6.00
3	6.32	6.46	14.35	18.97	13.44	15.89	15.84	11.76	6.30	5.90	5.97	5.95
4	6.31	6.46	14.53	18.75	12.68	18.42	17.67	14.75	6.23	5.76	5.81	6.03
5	6.30	6.39	14.83	18.35	12.04	21.14	17.29	15.81	6.20	5.71	5.75	6.11
6	6.29	6.21	15.27	17.77	11.39	24.93	16.54	15.79	6.16	5.69	5.73	5.88
7	6.27	6.19	15.73	17.13	10.78	25.07	15.99	16.19	6.08	5.65	5.83	5.78
8	6.18	6.13	15.78	16.48	10.20	24.34	15.82	16.80	6.09	6.11	7.63	5.82
9	6.03	6.06	15.59	15.61	9.82	23.57	16.57	17.35	6.05	6.73	10.21	5.85
10	5.96	6.14	15.61	14.49	9.77	22.70	17.31	17.77	5.98	6.54	8.20	5.80
11	5.97	6.35	17.03	14.05	9.97	21.73	17.49	17.91	5.87	5.94	7.17	5.65
12	6.01	6.71	18.94	14.26	12.23	20.99	16.89	17.59	5.78	5.77	8.09	5.59
13	6.07	7.00	19.57	14.09	18.78	20.53	15.88	16.67	5.78	6.07	9.54	5.54
14	6.09	7.08	19.71	13.73	19.87	20.09	14.89	15.39	5.74	6.83	9.84	5.53
15	6.10	7.14	19.85	13.74	19.53	19.47	13.91	14.42	5.73	7.68	11.13	5.52
16	6.09	7.15	19.76	14.04	19.85	18.35	12.71	13.70	5.79	7.99	9.59	5.49
17	6.04	7.15	19.50	13.86	21.18	16.53	11.56	12.44	5.73	7.39	8.32	5.46
18	6.01	7.14	19.08	14.47	21.54	14.23	10.56	10.62	5.69	6.85	7.82	5.43
19	5.99	7.15	18.51	15.82	21.41	12.54	9.75	8.97	5.74	6.28	7.74	5.41
20	5.96	7.88	17.98	15.36	20.94	12.52	9.07	7.88	5.78	5.92	7.56	5.40
21	5.95	9.41	17.43	14.03	20.29	11.93	10.50	7.32	5.75	5.76	7.42	5.39
22	6.01	10.60	18.02	12.82	19.48	11.92	11.12	9.39	5.69	5.69	7.30	5.39
23	6.20	12.19	18.51	12.17	18.58	12.50	10.19	9.47	6.91	5.68	7.47	5.41
24	6.43	16.25	17.44	12.70	17.52	14.28	9.08	9.00	8.40	5.81	8.00	5.42
25	6.50	16.59	15.72	15.03	16.07	17.39	8.47	8.19	7.63	5.70	7.76	5.42
26	6.21	16.14	14.34	15.86	14.09	16.39	9.10	7.43	6.87	5.71	7.05	5.42
27	6.07	16.19	13.91	15.89	15.41	14.54	9.86	7.22	6.34	5.71	6.55	5.40
28	6.03	16.33	19.34	15.83	17.07	13.63	10.37	7.98	6.02	5.67	6.24	5.35
29	6.00	16.51	21.54	15.77	16.74	13.47	10.63	8.06	7.36	5.79	6.25	5.33
30	6.12	16.19	21.39	15.54	---	13.43	10.14	7.54	7.61	8.37	6.21	5.32
31	6.34	---	20.55	15.12	---	13.58	---	6.98	---	8.19	6.16	---
TOTAL	190.56	280.06	540.06	480.82	459.51	537.21	393.10	369.69	.188.38	195.40	231.84	168.16
MEAN	6.15	9.34	17.42	15.51	15.85	17.33	13.10	11.93	6.28	6.30	7.48	5.61
MAX	6.50	16.59	21.54	19.77	21.54	25.07	17.67	17.91	8.40	8.37	11.13	6.11
MIN	5.95	6.06	13.91	12.17	9.77	11.92	8.47	6.98	5.69	5.65	5.73	5.32

CAL YR 1983 TOTAL 5448.77 MEAN 14.93 MAX 30.28 MIN 5.95
WTR YR 1984 TOTAL 4034.79 MEAN 11.02 MAX 25.07 MIN 5.32

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in SW¼ sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, 1.2 mi upstream from Illinois Central Railroad bridge, 2.3 mi north of Oak Vale, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--130 mi^2.

PERIOD OF RECORD.--September 1965 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft, Mississippi State Highway Department datum.

REMARKS.--Records good except for those periods of incorrect gage height record; Mar. 10-19, 23-24 and Apr. 13-May 2, which are fair.

AVERAGE DISCHARGE.--19 years, 204 ft^3/s, 21.31 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft^3/s Apr. 13, 1974, gage height, 18.76 ft; minimum, 59 ft^3/s Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft from floodmark, discharge, 15,900 ft^3/s. Maximum stage known since at least 1879, 20½ ft in April 1900, and flood in January 1925 reached a stage of 17.3 ft from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,780 ft^3/s Mar. 6, gage height 9.58 ft, only peak above base of 2,500 ft^3/s; minimum daily discharge, 87 ft^3/s Oct. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	94	124	230	134	228	162	128	110	159	126	117
2	107	95	117	218	135	212	161	170	109	116	124	115
3	105	96	145	208	147	250	381	353	109	106	149	117
4	105	96	301	198	164	387	355	461	109	103	168	131
5	105	102	246	188	143	2350	232	241	107	99	144	161
6	102	99	404	178	129	2810	196	194	107	98	136	126
7	102	98	295	167	122	654	184	192	106	98	154	118
8	102	98	183	157	118	326	256	184	105	99	229	115
9	100	98	153	151	121	251	423	164	105	97	206	114
10	100	96	134	225	142	260	276	148	104	94	147	114
11	89	96	320	238	144	235	217	138	102	92	144	114
12	96	96	407	179	227	221	190	134	102	98	145	112
13	87	96	221	158	604	237	208	131	208	143	183	111
14	105	98	190	148	354	222	200	129	135	199	220	112
15	109	101	180	215	240	210	199	126	119	151	291	110
16	102	99	143	293	302	194	188	121	112	116	191	109
17	100	97	125	216	385	184	178	117	109	129	155	109
18	100	97	118	310	274	181	169	115	107	126	149	108
19	100	116	112	444	286	190	163	114	105	105	137	107
20	99	390	107	288	303	282	159	119	103	99	131	107
21	99	315	109	231	251	211	154	136	101	98	128	107
22	102	139	136	206	230	226	150	207	103	98	126	107
23	111	240	146	201	202	215	147	204	104	223	160	110
24	102	529	119	227	187	346	144	149	127	122	186	110
25	99	220	104	235	173	541	141	134	117	186	136	108
26	97	142	98	211	224	291	139	128	103	358	126	107
27	96	144	160	185	693	228	139	125	98	166	123	106
28	95	229	1170	169	436	220	137	123	99	146	123	105
29	94	174	1290	161	256	202	132	118	102	214	121	104
30	94	136	371	148	---	179	129	112	150	151	121	103
31	93	---	250	139	---	169	---	110	---	133	119	---
TOTAL	3104	4526	7978	6522	7126	12712	5909	5025	3377	4222	4798	3394
MEAN	100	151	257	210	246	410	197	162	113	136	155	113
MAX	111	529	1290	444	693	2810	423	461	208	358	291	161
MIN	87	94	98	139	118	169	129	110	98	92	119	103
CFSM	.77	1.16	1.98	1.62	1.89	3.15	1.52	1.25	.87	1.05	1.19	.87
IN.	.89	1.30	2.28	1.87	2.04	3.64	1.69	1.44	.97	1.21	1.37	.97

CAL YR 1983 TOTAL 119502 MEAN 327 MAX 10900 MIN 87 CFSM 2.52 IN 34.20
WTR YR 1984 TOTAL 68693 MEAN 188 MAX 2810 MIN 87 CFSM 1.45 IN 19.66

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi southwest of Columbia, 2.0 mi downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi upstream from Silver Creek and at mile 137.8.

DRAINAGE AREA.--5,720 mi^2.

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year(gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 115.81 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi downstream at datum 0.37 ft higher. May 26, 1934, to September 1954, water-stage recorder at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--26 years (1928-54), 7,384 ft^3/s, 17.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft^3/s Apr. 9, 1938, gage height, 26.40 ft; minimum, 705 ft^3/s Oct. 21, 1952, gage height 0.81 ft.
1904 to current year: Maximum observed gage height, 27.8 ft Apr. 22, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft, from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 19.20 ft Mar. 8, minimum observed, 1.70 ft Sept. 19, 20, 21 and 31, Nov. 1, 2, 14, 15 and 16.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.10	3.10	11.30	15.50	10.60	12.20	8.60	5.50	3.20	3.80	4.20	2.50
2	3.00	3.20	10.70	14.70	10.20	11.40	8.80	5.20	3.00	3.20	3.50	2.40
3	2.90	3.20	10.30	14.20	9.80	10.80	9.80	5.00	2.80	3.20	3.00	2.30
4	2.90	3.20	10.00	13.40	9.40	11.20	11.00	7.80	2.70	2.50	3.60	3.10
5	3.00	3.30	10.10	13.70	8.60	13.00	12.20	9.70	2.60	2.30	2.90	3.70
6	2.90	3.30	10.70	13.40	8.00	15.50	12.10	10.50	2.60	2.10	2.90	2.70
7	2.90	3.20	11.10	13.00	7.40	18.00	11.40	10.40	2.50	2.10	2.50	2.40
8	3.20	3.10	11.00	12.50	6.90	19.20	10.90	10.70	2.50	2.10	2.50	2.20
9	3.10	3.10	11.00	11.90	6.30	18.90	13.30	11.10	2.40	2.50	3.10	2.20
10	3.10	3.00	10.90	11.30	6.10	18.10	12.50	11.50	2.40	2.60	5.80	2.20
11	3.00	2.90	11.30	10.40	6.10	17.20	12.20	11.90	2.30	2.80	4.30	2.10
12	3.00	3.00	12.30	9.80	6.10	16.40	12.20	12.00	2.30	2.40	3.50	2.00
13	3.10	3.20	13.40	9.90	9.00	15.60	11.90	13.00	2.20	2.80	3.20	1.90
14	3.10	3.50	13.90	9.80	13.00	15.00	11.10	11.30	2.50	3.30	5.30	1.90
15	3.00	3.70	14.10	9.50	14.00	14.60	10.20	11.00	2.20	3.30	5.40	1.90
16	3.00	3.80	14.20	9.90	14.30	14.10	9.30	11.00	2.20	3.30	6.80	1.80
17	3.00	3.80	14.20	9.90	14.40	13.30	8.30	9.90	2.20	3.80	5.60	1.80
18	3.00	3.70	14.00	9.70	15.00	11.90	7.20	8.00	2.20	4.00	4.40	1.80
19	2.90	3.70	13.80	10.60	15.60	10.00	6.30	6.40	2.10	3.30	3.80	1.70
20	2.90	4.20	13.40	11.40	15.70	8.50	5.60	5.10	2.00	2.70	3.70	1.70
21	2.90	5.00	13.00	11.60	15.50	8.30	4.90	4.20	2.10	2.40	3.50	1.70
22	2.90	5.40	12.50	10.00	15.10	7.50	6.00	4.20	2.10	2.10	3.40	1.90
23	2.90	6.50	12.70	8.90	14.40	7.30	6.50	5.70	2.20	2.10	3.30	1.90
24	3.00	8.00	13.20	8.30	13.70	7.70	5.80	5.90	2.40	3.00	3.30	1.90
25	3.10	11.00	12.60	8.60	12.90	10.00	4.80	5.00	3.90	3.10	3.70	1.90
26	3.30	11.50	11.30	10.30	11.70	12.10	4.30	4.30	3.80	3.00	3.70	1.90
27	3.20	11.20	10.60	11.00	11.10	11.60	4.60	3.70	3.10	3.10	3.20	1.90
28	3.00	11.30	12.50	11.10	12.00	10.00	5.20	3.50	2.70	2.50	2.80	1.90
29	3.00	11.40	15.50	11.10	12.50	8.90	5.70	3.80	2.40	2.70	2.90	1.80
30	2.90	11.40	16.20	11.10	---	8.60	6.00	4.00	3.00	2.70	2.80	1.80
31	2.90	---	16.20	10.90	---	8.60	---	3.60	---	3.30	2.60	---
TOTAL	93.20	159.90	388.00	347.40	325.40	385.50	258.70	234.90	76.60	88.10	115.20	62.90
MEAN	3.01	5.33	12.52	11.21	11.22	12.44	8.62	7.58	2.55	2.84	3.72	2.10
MAX	3.30	11.50	16.20	15.50	15.70	19.20	13.30	13.00	3.90	4.00	6.80	3.70
MIN	2.90	2.90	10.00	8.30	6.10	7.30	4.30	3.50	2.00	2.10	2.50	1.70

CAL YR 1983 TOTAL 4048.90 MEAN 11.09 MAX 25.80 MIN 2.80
WTR YR 1984 TOTAL 2535.80 MEAN 6.93 MAX 19.20 MIN 1.70

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi^2.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 9,904 ft^3/s, 20.46 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft^3/s Apr. 24, 1979, gage height, 23.23 ft; minimum, 1,020 ft^3/s Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 41,300 ft^3/s Mar. 11, gage height, 19.90 ft; minimum, 1,790 ft^3/s Sept. 30; gage height, 7.39 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2890	2150	15400	31000	15600	23100	11800	7210	3740	3160	3490	2970
2	2850	2210	15000	34700	14900	20100	11900	6800	3390	3620	4110	2750
3	2810	2300	14200	32400	14400	18000	12700	6360	3170	3610	4110	2670
4	2780	2340	14100	30000	14500	16600	15200	7000	3000	3350	4060	2930
5	2740	2390	13900	27600	13400	17300	17000	10100	2880	2870	5600	3580
6	2700	2430	14700	26000	11700	21600	18300	12900	2810	2650	6080	3870
7	2670	2420	16700	24400	10400	28200	18600	14100	2770	2480	4620	3140
8	2630	2360	16600	22500	9420	33400	18500	14900	2720	2620	4340	2720
9	2600	2290	15900	20300	8530	37700	26300	15100	2650	2920	4950	2520
10	2560	2260	15300	18700	8810	40500	31400	15500	2610	2940	4960	2440
11	2730	2210	15600	17600	10300	41300	30600	16100	2580	2830	5890	2420
12	2590	2170	17900	15500	9660	40200	25500	16800	2560	2790	5080	2360
13	2860	2180	19700	14400	11600	38100	22300	17200	2510	2610	4430	2280
14	2850	2300	22000	13500	15000	36300	20100	17200	2500	3190	4550	2210
15	2680	2540	24000	13200	19700	34300	17900	16400	2580	4150	5470	2130
16	2570	2790	25000	13200	24700	32100	15900	14800	2590	4100	6720	2070
17	2480	2880	26000	13800	28000	30000	13800	13200	2530	3850	7530	2040
18	2440	2810	26200	14100	29600	27100	11700	11800	2530	4270	6340	1980
19	2390	2770	26000	15600	30400	22200	10100	10200	2480	4090	4990	1940
20	2340	3160	25100	16500	31400	17800	8700	8230	2400	3480	4200	1920
21	2310	4240	23600	17200	32100	15500	7460	6530	2370	3020	3820	1890
22	2250	4610	22000	16400	32300	13000	6630	6460	2410	2670	3640	1880
23	2220	4800	20300	14100	31600	11100	7420	7970	2480	2630	3610	1880
24	2240	6490	20100	12400	29900	10600	8170	8540	2670	2950	3540	1890
25	2270	9890	21000	12100	27100	11200	7280	7540	2880	3360	3470	1890
26	2310	13200	19200	13100	23900	14000	5920	6200	3610	3300	3620	1880
27	2360	14600	16800	14700	27200	17700	5070	5100	3760	3380	3670	1860
28	2360	15000	19200	16000	27600	17800	5450	4460	3250	3240	3450	1840
29	2260	15400	29100	16300	24700	15400	6030	4030	2960	3030	3300	1820
30	2190	15500	37700	16200	---	13100	6890	4010	2810	4050	3300	1770
31	2150	---	40500	16000	---	12200	---	4040	---	3730	3260	---
TOTAL	78080	152690	648800	579500	588420	727500	424620	316780	84200	100940	140200	69540
MEAN	2519	5090	20930	18690	20290	23470	14150	10220	2807	3256	4523	2318
MAX	2890	15500	40500	34700	32300	41300	31400	17200	3760	4270	7530	3870
MIN	2150	2150	13900	12100	8530	10600	5070	4010	2370	2480	3260	1770
CFSM	.38	.77	3.18	2.84	3.09	3.57	2.15	1.56	.43	.50	.69	.35
IN.	.44	.86	3.87	3.28	3.33	4.12	2.40	1.79	.48	.57	.79	.39

CAL YR 1983 TOTAL 7711680 MEAN 21130 MAX 109000 MIN 2150 CFSM 3.22 IN 43.64
WTR YR 1984 TOTAL 3911270 MEAN 10690 MAX 41300 MIN 1770 CFSM 1.63 IN 22.14

02490246 WEST BOGUE CHITTO NEAR ZETUS, MS

LOCATION.--Lat 31 33 40 , long 90 29 43 , in NW SW sec. 22, T.7 N., R.7 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, on downstream side of bridge on county road, 2.0 mi east of Zetus.

DRAINAGE AREA.--18.5 mi2.

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1983 to October 1984 (discontinued).
WATER TEMPERATURE: October 1983 to October 1984 (discontinued).

INSTRUMENTATION.--Specific conductance-temperature recorder from October 1983 to October 1984.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 288 micromhos Nov. 23, 1983; minimum, 21 micromhos Mar. 5, 1984.
WATER TEMPERATURE: Maximum, 27.0 C June 24, 1984; minimum, 1.5 C Dec. 26, 1983, Jan. 22, 1984.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
NOV												
21...	1200	1.0	88	6.2	12.0	4.7	44	--	--	--	--	10
28...	1215	18	63	6.1	13.5	6.9	67	--	--	--	--	4.9
MAR												
08...	1005	16	57	5.9	10.0	5.0	44	11	4	2.6	1.1	6.0
MAY												
16...	1540	.61	97	6.1	20.0	3.2	35	--	--	--	--	9.2
SEP												
12...	1730	.03	106	6.4	23.5	.8	10	23	0	6.1	1.9	8.8

DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	BROMIDE DISSOLVED (MG/L AS BR)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	BARIUM, DISSOLVED (UG/L AS BA)	STRONTIUM, DISSOLVED (UG/L AS SR)
NOV												
21...	--	--	--	--	--	16	--	67	.09	.18	--	--
28...	--	--	--	--	--	9.8	--	58	.08	2.8	--	--
MAR												
08...	51	.8	1.3	7.0	6.2	11	.07	53	.07	2.3	54	33
MAY												
16...	--	--	--	--	--	16	--	76	.10	.13	--	--
SEP												
12...	42	.8	2.6	29	1.1	14	.09	72	.10	.00	91	70

02490246 WEST BOGUE CHITTO NEAR ZETUS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), OCTOBER 1983 TO OCTOBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	117	102	110	90	80	85	82	76	79
2	---	---	---	103	88	98	94	82	91	88	82	85
3	---	---	---	100	88	96	142	73	89	89	84	86
4	---	---	---	98	90	96	198	90	109	91	80	85
5	---	---	---	99	88	95	106	80	97	92	87	89
6	---	---	---	99	96	98	102	80	93	96	86	92
7	---	---	---	101	94	97	95	91	92	96	86	91
8	---	---	---	98	85	94	101	94	98	95	91	93
9	---	---	---	100	87	95	105	98	101	99	93	97
10	---	---	---	102	96	99	109	95	106	151	89	108
11	---	---	---	103	97	98	108	61	73	119	98	103
12	---	---	---	102	98	99	80	67	75	103	99	101
13	---	---	---	105	98	102	86	80	83	100	95	98
14	89	88	88	104	94	99	118	79	92	106	100	102
15	93	87	88	107	95	103	113	88	98	161	82	102
16	---	---	---	104	96	99	117	75	93	79	75	77
17	---	---	---	98	93	96	84	77	79	77	75	77
18	98	97	97	100	89	96	89	80	85	98	64	78
19	106	98	100	103	65	96	89	80	87	62	54	57
20	104	101	103	105	91	99	97	82	94	67	61	64
21	109	104	106	94	88	128	160	64	85	74	67	72
22	109	102	106	---	---	---	68	41	49	80	74	77
23	115	109	112	288	99	141	70	48	62	83	79	80
24	113	104	108	97	80	85	76	68	73	104	80	87
25	110	106	108	98	81	88	82	76	79	81	76	78
26	112	105	109	100	94	97	85	82	84	81	77	79
27	112	107	109	168	69	92	104	62	83	81	77	79
28	115	104	109	80	79	80	71	36	45	84	77	83
29	114	101	108	79	78	79	67	41	56	85	79	83
30	118	103	110	83	78	80	71	62	68	82	78	80
31	118	103	112	---	---	---	76	68	73	91	80	85
MONTH				288	65	98	198	36	83	161	54	85
		FEBRUARY			MARCH			APRIL			MAY	
1	92	86	89	66	62	64	81	76	78	119	113	114
2	89	80	88	71	66	70	81	42	75	115	112	113
3	91	80	85	75	70	73	71	30	36	107	43	58
4	91	80	86	95	67	79	49	34	44	57	46	53
5	98	80	91	93	21	35	53	40	45	60	48	55
6	99	96	97	43	24	32	62	48	58	67	48	62
7	101	98	100	49	40	45	70	61	64	73	65	67
8	107	101	105	55	41	51	84	62	67	81	48	69
9	106	102	104	65	56	62	96	40	52	80	67	71
10	103	88	98	71	48	66	55	40	46	107	80	95
11	102	98	100	66	48	59	83	48	65	104	96	100
12	106	36	76	70	66	67	81	64	68	96	94	95
13	51	34	40	74	69	73	73	68	70	95	80	92
14	60	42	55	79	73	77	80	73	77	92	80	89
15	64	60	63	81	79	80	81	80	81	94	82	90
16	64	40	52	84	82	83	85	80	83	94	93	93
17	60	42	52	89	84	88	86	84	85	94	82	92
18	68	60	63	91	88	89	88	83	85	92	82	89
19	72	68	70	94	80	90	90	87	88	107	80	92
20	78	72	76	103	77	95	96	91	93	93	82	92
21	82	76	79	88	76	82	99	95	98	101	80	92
22	87	80	82	91	80	87	100	98	99	89	85	88
23	89	85	87	97	91	94	101	99	100	88	87	88
24	89	85	88	98	36	65	126	101	104	91	80	87
25	90	80	87	51	35	42	122	104	106	93	82	91
26	89	60	84	57	40	51	108	106	107	96	93	94
27	55	36	41	62	48	59	108	106	107	97	59	91
28	55	40	47	70	61	67	111	100	107	128	74	89
29	62	48	54	80	70	74	115	110	112	76	74	75
30	---	---	---	79	75	77	120	113	115	80	77	79
31	---	---	---	77	75	76	---	---	---	85	81	83
MONTH	107	34	77	103	21	69	126	30	81	128	43	85

02490246 WEST BOGUE CHITTO NEAR ZETUS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), OCTOBER 1983 TO OCTOBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	87	83	85	70	67	68	57	48	54	95	83	89
2	89	80	85	75	70	72	64	48	53	96	88	95
3	99	80	94	78	72	75	66	60	62	97	88	96
4	101	98	100	82	76	79	65	63	64	97	88	93
5	106	101	103	83	80	81	66	63	65	102	88	90
6	108	105	106	83	81	82	72	66	68	103	97	99
7	107	105	106	86	64	82	66	63	65	98	95	97
8	109	106	108	266	72	173	66	62	64	101	96	98
9	111	100	107	182	106	128	65	62	64	106	100	103
10	115	100	108	106	100	102	66	62	64	105	103	103
11	116	114	115	100	90	95	70	63	67	106	103	104
12	120	108	114	92	86	88	77	70	72	105	103	104
13	119	108	116	86	44	78	77	73	74	112	103	106
14	121	108	115	202	74	131	75	73	74	106	102	103
15	115	88	112	117	79	91	74	72	73	106	101	104
16	97	95	96	78	73	75	80	73	75	103	98	100
17	99	95	96	76	73	74	80	76	78	99	96	98
18	98	95	96	82	75	78	83	79	80	104	100	102
19	101	98	100	88	82	85	88	81	83	105	103	104
20	108	100	103	91	80	84	85	82	84	107	104	106
21	106	99	102	96	82	93	85	80	83	107	105	106
22	111	100	107	99	88	95	88	73	83	107	105	106
23	109	100	106	97	80	88	84	76	79	108	106	107
24	107	102	103	95	80	86	81	76	79	114	108	110
25	106	103	104	86	83	85	88	80	84	112	109	111
26	107	105	106	93	40	52	89	86	87	114	110	112
27	106	103	104	43	40	41	89	84	87	116	112	114
28	108	102	103	46	42	44	89	81	86	116	110	113
29	104	84	99	49	46	48	89	81	88	116	100	111
30	102	67	75	49	40	43	89	80	86	112	105	108
31	---	---	---	57	40	49	94	80	83	---	---	---
MONTH	121	67	102	266	40	82	94	48	74	116	83	103

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	106	101	103									
2	104	102	103									
3	106	100	102									
4	102	98	101									
5	100	95	97									
6	100	93	97									
7	105	99	101									
8	102	93	98									
9	95	84	90									
10	94	78	86									
11	85	76	79									
12	78	76	77									
13	78	76	77									
14	79	69	77									
15	77	70	72									
16	74	71	72									
17	84	61	69									
18	75	72	74									
19	---	---	---									
20	---	---	---									
21	---	---	---									
22	---	---	---									
23	---	---	---									
24	---	---	---									
25	---	---	---									
26	---	---	---									
27	---	---	---									
28	---	---	---									
29	---	---	---									
30	---	---	---									
31	---	---	---									
MONTH												

02490246 WEST BOGUE CHITTO NEAR ZETUS, MS--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 1983 TO OCTOBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	17.0	13.5	15.0	11.5	10.5	11.0	3.5	2.0	3.0
2	---	---	---	18.0	15.0	16.0	14.5	11.0	12.5	4.5	3.0	4.0
3	---	---	---	18.5	15.5	16.5	17.0	14.0	15.0	5.0	4.0	4.5
4	---	---	---	17.5	16.0	16.5	15.5	14.5	15.0	6.0	4.0	5.0
5	---	---	---	18.0	14.5	16.5	15.0	14.0	14.5	7.0	5.5	6.5
6	---	---	---	14.5	13.0	14.0	15.5	12.5	14.0	7.5	6.0	7.0
7	---	---	---	14.5	13.5	14.0	12.5	10.5	11.5	7.5	6.5	7.0
8	---	---	---	16.0	13.0	14.5	11.0	9.5	10.0	8.0	6.5	7.5
9	---	---	---	16.0	13.0	14.5	11.0	9.5	10.5	9.5	7.5	8.5
10	---	---	---	14.5	12.0	13.0	13.0	11.0	12.0	9.5	8.0	8.5
11	---	---	---	12.0	10.5	11.0	16.0	12.5	15.0	7.5	6.0	7.0
12	---	---	---	12.0	9.5	10.5	15.5	13.0	14.5	6.5	5.0	6.0
13	---	---	---	12.0	10.0	11.0	13.0	12.0	12.5	7.0	6.5	7.0
14	17.0	14.0	15.5	17.0	11.5	14.5	12.0	10.5	11.5	7.5	7.0	7.0
15	17.5	13.0	15.0	17.0	13.5	15.5	10.5	9.5	10.0	7.0	6.5	7.0
16	---	---	---	13.5	10.5	12.0	9.0	8.5	9.0	6.5	6.0	6.5
17	---	---	---	11.5	9.5	10.5	9.5	8.5	9.0	6.0	6.0	6.0
18	20.0	19.5	19.5	14.0	10.0	12.0	10.0	8.5	9.5	6.5	5.0	6.0
19	21.5	18.5	20.0	17.5	14.0	15.5	9.0	7.5	8.5	4.5	3.0	3.5
20	22.0	19.5	20.5	16.0	13.0	14.0	7.5	7.0	7.0	3.0	2.0	2.5
21	22.5	20.0	21.0	12.5	11.5	12.0	11.5	7.0	9.0	3.0	2.0	2.5
22	21.5	19.0	20.5	---	---	---	12.0	8.5	10.5	3.5	1.5	2.5
23	19.0	17.0	18.0	16.0	15.0	16.0	8.5	6.5	7.5	5.0	3.5	4.0
24	17.5	15.5	16.5	16.0	13.5	15.0	6.5	3.0	4.5	7.5	5.0	6.5
25	17.5	15.0	16.0	13.5	11.0	12.0	3.0	2.0	2.0	8.0	7.5	8.0
26	17.0	14.0	15.0	13.0	10.5	11.5	2.0	1.5	2.0	8.0	7.0	7.5
27	16.0	12.0	13.5	15.5	13.0	14.5	6.5	2.0	3.5	8.0	6.5	7.0
28	16.0	11.5	13.0	15.5	14.0	14.5	9.0	6.5	8.0	8.0	6.5	7.5
29	15.5	11.5	13.0	11.0	10.0	10.5	8.0	5.0	6.5	8.5	6.5	7.5
30	16.0	11.5	13.5	11.0	10.0	10.5	5.5	3.5	4.5	9.0	7.5	8.0
31	15.5	12.5	14.0	---	---	---	3.5	2.0	3.0	8.0	6.0	7.0
MONTH				18.5	9.5	13.5	17.0	1.5	9.5	9.5	1.5	6.0
		FEBRUARY			MARCH			APRIL			MAY	
1	8.0	6.0	7.0	9.0	6.5	7.5	16.0	13.5	15.0	19.5	18.5	19.0
2	8.5	5.5	7.5	9.5	7.0	8.0	15.5	14.0	14.5	21.5	19.0	20.5
3	10.0	8.5	9.0	11.5	9.0	10.5	18.5	15.0	16.5	22.5	18.5	21.0
4	9.5	7.0	8.0	13.5	11.0	12.0	18.5	16.5	17.5	22.0	20.0	21.0
5	8.5	6.5	7.5	14.5	13.5	14.0	16.5	15.0	15.5	21.0	20.0	20.5
6	7.0	5.0	6.0	13.5	10.0	11.5	16.0	13.5	14.5	22.0	20.5	21.5
7	7.0	4.5	5.5	10.5	9.0	10.0	15.0	14.0	14.5	23.0	21.5	22.0
8	7.0	5.0	6.0	12.0	9.0	10.5	15.5	14.5	15.0	22.5	19.5	21.0
9	8.5	5.5	7.0	12.5	10.5	11.5	16.0	15.0	15.5	19.5	18.0	19.0
10	10.5	8.5	9.5	12.5	10.0	11.5	16.5	15.0	16.0	19.5	17.0	18.0
11	12.0	10.0	11.0	13.5	10.5	12.0	17.5	16.0	16.5	19.5	17.0	18.5
12	13.5	12.0	12.5	13.0	12.0	12.5	18.0	16.5	17.0	19.5	17.5	18.5
13	13.0	12.0	12.0	16.0	13.0	14.5	18.5	17.0	18.0	20.0	18.0	19.0
14	12.5	10.5	11.5	17.5	14.0	15.5	18.0	17.0	17.5	21.0	19.0	20.0
15	12.5	11.0	12.0	19.0	16.0	17.0	16.5	15.0	15.5	21.5	19.0	20.5
16	14.0	12.0	13.0	20.0	17.0	18.5	15.0	14.0	14.5	20.5	19.0	19.5
17	14.0	12.5	13.5	21.5	18.0	19.5	15.5	13.5	14.5	19.5	18.0	19.0
18	14.5	13.0	13.5	21.0	18.5	20.0	16.0	13.5	14.5	20.5	18.0	19.0
19	15.0	14.0	14.5	20.0	18.5	19.5	17.5	15.0	16.5	21.0	18.5	19.5
20	14.0	12.5	13.0	18.5	14.5	16.0	19.0	16.5	18.0	20.0	19.5	20.0
21	13.0	12.0	12.5	16.0	13.0	14.5	20.0	18.5	19.5	22.5	19.5	20.5
22	13.5	11.5	12.0	17.0	13.5	15.0	19.5	18.0	19.0	21.0	19.5	20.5
23	13.0	10.0	11.5	17.0	14.5	15.5	17.5	16.0	17.0	22.5	20.0	21.0
24	13.5	11.5	12.5	18.0	15.0	16.0	17.0	14.5	16.0	23.0	20.5	21.5
25	13.0	10.0	11.5	18.0	15.0	16.5	17.5	15.0	16.5	23.5	21.0	22.5
26	13.0	10.0	11.5	16.0	15.0	15.5	18.5	17.0	17.5	24.0	22.0	22.5
27	12.5	10.0	12.0	16.5	15.0	16.0	20.0	18.5	19.0	24.0	21.0	22.5
28	10.5	8.0	9.0	16.5	15.0	16.0	20.5	19.0	20.0	22.5	20.5	21.5
29	8.5	7.0	7.5	16.0	14.0	14.5	21.0	20.0	20.5	22.0	19.5	20.5
30	---	---	---	15.5	12.5	14.0	21.0	19.0	20.5	19.0	17.0	18.5
31	---	---	---	15.5	12.5	14.0	---	---	---	18.5	16.0	17.5
MONTH	15.0	4.5	10.5	21.5	6.5	14.0	21.0	13.5	17.0	24.0	16.0	20.0

02490246 WEST BOGUE CHITTO NEAR ZETUS, MS--Continued

TEMPERATURE, WATER (DEG. C), OCTOBER 1983 TO OCTOBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.0	16.0	17.5	23.5	22.0	23.0	24.5	22.0	23.5	26.5	23.5	24.5
2	19.5	17.0	18.5	25.0	22.0	23.5	23.5	22.5	23.0	25.5	23.5	24.0
3	20.5	17.5	19.0	25.0	23.0	24.0	24.5	22.5	23.5	25.5	23.5	24.5
4	20.5	18.5	19.5	26.0	23.5	24.5	25.0	23.0	24.0	24.0	22.0	23.0
5	22.0	19.5	20.5	26.0	24.0	25.0	24.5	23.5	24.0	23.5	20.5	22.0
6	22.0	20.5	21.5	26.0	24.0	25.0	24.5	23.0	23.5	23.0	15.0	20.5
7	24.0	21.0	22.5	26.5	23.0	24.5	25.0	22.5	23.5	23.5	19.0	21.0
8	24.5	22.0	23.0	23.5	22.5	23.0	24.5	22.0	23.5	23.5	20.5	22.0
9	24.0	22.0	22.5	24.5	22.0	23.5	25.0	22.5	23.5	23.5	21.5	22.5
10	24.5	21.5	23.0	25.5	23.5	24.5	25.0	22.5	23.5	25.5	22.0	23.5
11	24.5	21.5	23.0	26.0	24.0	25.0	25.5	23.5	24.5	25.0	22.5	23.5
12	23.5	21.5	22.5	26.5	24.0	25.0	25.5	23.5	24.0	25.5	22.0	23.5
13	24.0	22.0	23.0	24.5	23.0	23.5	24.5	22.5	23.5	25.0	22.0	23.5
14	25.0	22.0	23.5	24.0	23.0	23.5	24.0	22.5	23.5	25.5	22.5	23.5
15	25.5	22.5	24.0	25.0	23.0	24.0	25.0	23.0	24.0	23.5	22.5	22.5
16	23.5	22.5	23.0	25.0	24.0	24.5	25.0	23.0	24.0	22.5	20.5	21.5
17	24.5	22.0	23.0	25.0	24.0	24.5	25.5	23.5	24.5	22.0	19.5	20.5
18	24.5	22.0	23.0	26.0	24.0	25.0	26.0	23.5	24.5	22.0	19.5	20.5
19	25.0	22.0	23.5	25.5	24.0	24.5	25.5	23.5	24.5	22.5	20.0	21.0
20	23.0	21.0	22.5	25.0	23.0	24.0	26.0	24.0	24.5	22.5	19.5	21.0
21	24.0	22.0	23.0	25.0	22.5	23.5	26.0	23.5	24.5	23.0	19.5	21.0
22	25.5	23.0	24.0	25.5	23.0	24.0	25.0	24.0	24.5	22.5	21.0	22.0
23	26.0	23.5	24.5	25.0	23.0	24.0	25.5	23.5	24.5	25.0	22.0	23.0
24	27.0	24.0	25.0	23.0	22.0	22.5	24.5	22.0	23.5	25.0	22.0	23.5
25	26.5	24.0	25.0	24.0	22.0	23.0	24.0	22.0	23.0	24.5	22.0	23.0
26	25.5	22.5	24.0	24.5	22.0	23.5	24.5	22.0	23.5	22.5	20.5	21.5
27	24.0	22.5	23.0	25.5	23.5	24.5	25.0	23.5	24.0	23.0	19.0	20.5
28	25.0	22.5	23.5	25.0	24.0	24.5	26.0	24.0	24.5	22.0	19.0	20.0
29	25.5	22.0	23.5	24.5	23.5	24.0	25.5	24.0	24.5	20.5	17.0	18.5
30	23.5	22.0	22.5	24.0	22.0	23.0	25.5	23.5	24.5	19.5	15.5	17.0
31	---	---	---	24.0	22.0	23.0	26.0	23.5	24.5	---	---	---
MONTH	27.0	16.0	22.5	26.5	22.0	24.0	26.0	22.0	24.0	26.5	15.0	22.0

DAY		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.5	13.5	15.5									
2	18.0	12.0	14.5									
3	17.5	12.0	14.5									
4	18.5	13.0	15.0									
5	19.5	14.5	16.5									
6	21.0	17.0	18.5									
7	21.0	18.5	19.5									
8	20.0	18.0	19.5									
9	18.5	17.0	18.0									
10	19.5	18.5	19.0									
11	20.0	19.0	19.5									
12	20.5	19.0	19.5									
13	20.5	19.0	19.5									
14	20.0	19.5	19.5									
15	20.5	19.5	20.0									
16	22.0	20.0	21.0									
17	22.0	21.0	21.5									
18	21.5	21.5	21.5									
19	---	---	---									
20	---	---	---									
21	---	---	---									
22	---	---	---									
23	---	---	---									
24	---	---	---									
25	---	---	---									
26	---	---	---									
27	---	---	---									
28	---	---	---									
29	---	---	---									
30	---	---	---									
31	---	---	---									
MONTH												

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi upstream from Bars Branch, 2.2 mi downstream from Topisaw Creek, and 9.2 mi northwest of Tylertown.

DRAINAGE AREA.--492 mi2.

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1504: 1945(P), 1946(M), 1947-51, 1953. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--40 years, 799 ft3/s, 22.05 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,200 ft3/s Apr. 7, 1983, gage height, 34.62 ft; minimum, 175 ft3/s Oct. 31, 1963; minimum gage height, 5.93 ft, Sept. 30, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached about the same stage as the flood of Apr. 7, 1983.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 13	1830	6220	13.44	Mar. 7	1800	*7620	16.14

Minimum daily discharge, 268 ft3/s Oct. 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	298	459	934	501	1150	550	378	319	698	348	336
2	349	303	433	749	492	811	559	377	311	1430	335	314
3	350	303	435	672	549	718	1060	451	307	1290	348	349
4	351	312	561	624	571	682	1410	564	302	540	349	1390
5	349	322	608	590	554	1450	1530	680	302	414	390	490
6	346	318	692	565	582	3840	1120	479	299	365	415	382
7	345	320	768	546	509	6410	687	418	296	340	474	346
8	344	324	647	529	487	3750	985	445	293	354	780	332
9	343	326	525	520	481	1360	2790	434	288	518	618	322
10	343	324	479	571	519	895	1930	426	287	438	467	290
11	346	327	781	645	545	775	1080	384	282	359	395	286
12	356	332	1210	668	1070	716	803	367	279	348	394	281
13	359	333	1140	598	5440	790	686	355	279	1050	450	280
14	357	336	712	559	4620	715	636	350	279	1570	533	279
15	355	344	642	578	4070	667	617	342	292	940	513	282
16	353	383	626	785	2420	628	563	335	307	786	442	313
17	350	369	544	987	2360	599	529	335	319	657	387	283
18	324	356	504	916	1990	577	508	331	348	517	360	271
19	276	367	480	1660	1300	611	492	327	313	429	342	269
20	275	534	463	1610	900	843	479	332	291	376	394	263
21	275	523	453	1100	798	838	465	336	286	354	495	260
22	281	466	496	779	746	666	457	665	298	336	375	259
23	292	494	1010	689	691	598	444	1180	391	513	355	262
24	295	758	1050	667	637	859	435	548	435	681	426	281
25	295	755	617	676	596	1790	426	418	373	588	389	280
26	289	516	520	701	636	1620	416	378	330	449	338	270
27	288	466	547	647	3040	1370	409	359	306	454	334	264
28	289	495	3420	596	2580	817	402	347	305	423	334	263
29	292	616	3800	563	1970	689	395	422	382	542	345	262
30	294	520	2720	539	---	621	386	373	1500	430	453	260
31	295	---	2210	517	---	577	---	332	---	374	403	---
TOTAL	10007	12440	29552	22780	41654	38432	23249	13468	10599	18563	12981	10019
MEAN	323	415	953	735	1436	1240	775	434	353	599	419	334
MAX	359	758	3800	1660	5440	6410	2790	1180	1500	1570	780	1390
MIN	275	298	433	517	481	577	386	327	279	336	334	259
CFSM	.66	.84	1.94	1.49	2.92	2.52	1.58	.88	.72	1.22	.85	.68
IN.	.76	.94	2.23	1.72	3.15	2.91	1.76	1.02	.80	1.40	.98	.76

CAL YR 1983 TOTAL 429867 MEAN 1178 MAX 56900 MIN 275 CFSM 2.39 IN 32.50
WTR YR 1984 TOTAL 243744 MEAN 666 MAX 6410 MIN 259 CFSM 1.35 IN 18.43

OHIO RIVER BASIN

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi south of Florence Post Office, 1.7 mi upstream from Cypress Creek, 2.7 mi downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 mi², approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi downstream.

REMARKS.--Records good except those below 25,000 ft3/s, which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--90 years, 52,030 ft3/s, 22.93 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft3/s Mar. 17, 1973 (gage height, 30.03 ft); maximum gage height, 32.5 ft Mar. 19, 1897; minimum daily discharge, 105 ft3/s Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -0.30 ft Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft, from National Weather Service records, discharge, 421,000 ft3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 339,000 ft3/s May 4, gage height, 23.81 ft; minimum daily, 10,600 ft3/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10600	32300	105000	132000	58200	84600	90200	105000	44700	28500	60100	41800
2	11900	27600	103000	123000	59200	79800	73700	125000	39700	38200	67400	39800
3	12700	26100	160000	119000	58200	81500	64100	282000	38500	40500	75100	42200
4	14300	24900	296000	99600	43700	83200	77700	313000	42000	31700	58300	59400
5	16000	22900	254000	75700	38200	82500	82700	248000	60100	37800	56900	52100
6	21700	23100	191000	71600	39300	80100	84200	216000	58800	27400	53900	49500
7	21900	32500	150000	44700	45800	67500	68800	204000	55900	36100	55700	54500
8	16000	33000	114000	12200	41800	65300	73500	243000	36900	57400	47400	29700
9	15700	36900	102000	44500	42300	60900	63200	295000	24000	48300	49600	24300
10	19300	34700	100000	58600	39900	57000	61200	296000	26700	48000	57800	50100
11	18300	33100	97800	52400	33200	45000	53100	295000	25900	51800	58400	48100
12	21500	26700	94000	69400	50100	53400	56100	297000	32600	54500	44700	47800
13	26000	17200	96400	60900	44300	61700	57500	268000	32500	43700	45600	47300
14	32800	30800	99800	52500	52100	46000	45600	225000	34200	36600	47800	50100
15	30200	31900	92300	42800	78900	47800	51100	193000	27400	32400	48600	28300
16	21900	40300	66600	52400	76200	42600	59600	155000	27300	49800	47200	22900
17	26300	40600	56400	55800	85100	44800	59600	102000	23300	45500	47800	47900
18	26200	35900	38000	70700	77600	58300	56600	87400	34600	53900	41000	52500
19	25900	25800	54300	71000	72200	58600	56100	72200	36800	53300	29900	50600
20	28800	26300	48800	76800	62200	45200	54600	62600	40000	52200	51100	54400
21	24800	49300	37600	65200	52800	63100	53800	66100	36400	50400	51600	46300
22	13700	44900	54000	63500	58600	77500	83200	58800	32500	45400	44500	24500
23	19800	43500	99000	56200	57800	87500	109000	55700	27000	48700	41200	21000
24	16300	63400	94400	61200	49400	75600	105000	50500	30500	52700	42800	25000
25	17300	62700	90000	70300	48500	78800	90700	48900	38400	48100	35200	43700
26	17300	51100	103000	72200	51600	59600	76000	50200	45100	47500	28600	37700
27	23400	48600	83100	72200	61900	43400	82600	50500	43000	43000	46400	40300
28	24200	81700	110000	67100	90100	72600	96500	48200	44000	45900	47200	31500
29	21300	104000	146000	63900	86400	78200	145000	56900	33900	40600	43900	21800
30	22600	104000	144000	62200	---	92600	131000	53000	28400	46100	47000	22900
31	33000	---	139000	61900	---	91400	---	47700	---	49600	47000	---
TOTAL	651700	1255800	3419500	2101500	1655600	2066100	2262000	4670700	1101100	1385600	1519700	1208000
MEAN	21020	41860	110300	67790	57090	66650	75400	150700	36700	44700	49020	40270
MAX	33000	104000	296000	132000	90100	92600	145000	313000	60100	57400	75100	59400
MIN	10600	17200	37600	12200	33200	42600	45600	47700	23300	27400	28600	21000
CFSM	.68	1.36	3.58	2.20	1.85	2.16	2.45	4.89	1.19	1.45	1.59	1.31
IN.	.79	1.52	4.13	2.54	2.00	2.49	2.73	5.64	1.33	1.67	1.83	1.46

CAL YR 1983 TOTAL 21504800 MEAN- 58920 MAX 296000 MIN 10600 CFSM 1.91 IN 25.96
WTR YR 1984 TOTAL 23297300 MEAN 63650 MAX 313000 MIN 10600 CFSM 2.07 IN 28.13

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, near left bank at bridge on county road 0.2 mi northeast of Walker Siding and 2.0 mi east of Burnsville.

DRAINAGE AREA.--24.7 mi^2, Tennessee Valley Authority.

PERIOD OF RECORD.--May 1973 to current year.

REVISED RECORDS.--WDR MS-78-1: 1973(M), 1976(M).

GAGE.--Water-stage recorder. Datum of gage is 429.51 ft Mississippi Highway Department datum.

REMARKS.--Records good, except for a period of missing gage-height record, Oct. 20 to Nov. 29, which were poor.

AVERAGE DISCHARGE.--11 years, 47.3 ft^3/s, 25.98 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined Dec. 26, 1983, gage height, 21.74 ft; minimum, 1.5 ft^3/s Sept. 9, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft^3/s, gage height, 19.12 ft was measured Mar. 16, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 700 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 3	2230	3220	19.20	May 2	1530	875	17.27
Apr. 28	1445	*3990	19.48	May 8	0615	770	17.00

Minimum discharge, 1.5 ft^3/s Sept. 9, gage height, 6.86 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	12	22	33	21	37	30	66	12	11	7.7	2.8
2	5.2	11	66	33	21	33	32	505	11	8.2	8.1	2.2
3	5.5	11	1390	31	37	29	116	582	9.7	7.5	8.0	2.9
4	5.4	90	982	30	28	27	58	231	9.3	7.2	8.4	6.4
5	5.7	75	121	30	23	102	45	110	8.9	8.8	10	6.2
6	5.3	60	124	31	19	75	39	73	8.5	26	8.7	5.6
7	5.2	45	58	27	18	46	28	119	8.5	48	8.5	5.2
8	6.2	38	43	25	18	36	26	537	8.5	33	7.3	1.8
9	5.2	32	36	25	19	29	47	141	7.9	12	23	1.5
10	5.0	28	35	128	60	28	32	77	7.7	9.2	28	5.2
11	5.6	24	102	75	36	28	26	51	7.6	8.0	10	6.3
12	17	19	57	43	49	29	23	38	7.8	7.6	7.7	6.0
13	44	16	39	38	90	47	22	32	7.4	7.4	6.8	5.8
14	12	60	128	32	42	32	19	26	7.1	7.1	6.1	6.2
15	8.1	96	55	30	32	27	18	21	7.1	6.9	6.6	2.4
16	7.3	60	37	30	34	25	19	18	6.9	12	6.1	2.1
17	7.2	52	33	26	29	75	19	17	6.7	50	5.6	5.9
18	9.3	46	32	38	25	68	17	16	6.5	45	5.1	4.8
19	9.6	60	28	30	25	41	18	15	6.4	12	4.8	5.9
20	9.1	110	25	30	23	97	33	14	6.3	9.1	4.6	6.9
21	8.3	60	30	30	21	51	30	20	16	8.0	4.9	7.5
22	50	60	87	27	22	37	374	17	25	7.6	5.5	3.0
23	80	410	39	31	39	30	90	16	17	7.0	9.3	2.3
24	55	190	32	120	26	32	54	14	18	6.7	8.6	7.0
25	40	60	32	59	22	39	35	12	9.7	6.8	3.7	9.0
26	34	100	32	40	21	29	28	16	8.0	7.6	3.0	7.9
27	30	180	31	36	157	31	29	24	7.6	34	7.0	8.6
28	20	60	324	31	77	164	1550	34	7.8	17	7.9	5.2
29	17	34	116	28	47	72	200	17	14	9.3	7.5	2.4
30	15	26	107	26	---	45	125	14	11	8.0	7.0	2.5
31	12	---	80	22	---	43	---	13	---	7.8	6.9	---
TOTAL	544.4	2125	4323	1215	1081	1484	3182	2886	295.9	455.8	252.4	147.5
MEAN	17.6	70.8	139	39.2	37.3	47.9	106	93.1	9.86	14.7	8.14	4.92
MAX	80	410	1390	128	157	164	1550	582	25	50	28	9.0
MIN	5.0	11	22	22	18	25	17	12	6.3	6.7	3.0	1.5
CFSM	.71	2.87	5.63	1.59	1.51	1.94	4.29	3.77	.40	.60	.33	.20
IN.	.82	3.20	6.51	1.83	1.63	2.23	4.79	4.35	.45	.69	.38	.22

CAL YR 1983 TOTAL 22909.5 MEAN 62.8 MAX 1390 MIN 4.2 CFSM 2.54 IN 34.50
WTR YR 1984 TOTAL 17992.0 MEAN 49.2 MAX 1550 MIN 1.5 CFSM 1.99 IN 27.10

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi southeast of Cross Roads.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 1980 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.24 ft May 9, 1984; minimum, 7.97 ft Dec. 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.24 ft May 9; minimum, 7.98 ft Feb. 28.

REVISIONS.--The maximum and minimum gage heights for water year 1983 have been revised to 18.56 ft May 20 and 8.03 ft Jan.13. They supersede figures published in the report for 1983.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.62	9.83	9.15	11.66	9.02	9.20	12.17	14.67	13.75	13.10	12.06	12.04
2	10.58	9.71	8.96	11.19	8.70	9.14	12.45	14.58	13.57	12.94	12.24	12.08
3	10.54	9.61	10.17	10.86	8.85	9.23	12.19	17.27	13.51	13.09	12.70	11.79
4	10.42	9.66	13.76	10.88	9.00	9.15	11.83	17.70	13.58	13.30	12.34	11.86
5	10.39	9.74	13.82	10.59	8.88	9.23	12.02	17.65	13.43	13.46	11.85	11.76
6	10.49	9.83	12.58	10.12	8.91	9.20	12.34	17.02	13.60	13.63	12.16	11.60
7	10.91	9.85	11.61	9.76	8.80	9.34	12.58	16.86	13.89	13.32	12.29	11.67
8	11.11	9.82	10.47	9.35	8.68	9.22	12.53	17.53	14.07	13.09	12.15	11.96
9	11.12	9.81	9.40	9.33	8.64	9.39	12.51	17.99	13.75	13.14	12.03	11.69
10	11.00	9.54	9.29	9.21	8.70	9.27	13.12	17.98	13.37	12.95	12.20	11.64
11	10.87	9.77	9.32	8.88	8.79	9.18	13.24	17.74	13.15	13.12	12.08	11.58
12	10.64	10.02	9.31	9.57	8.89	9.07	13.17	17.92	13.22	13.36	12.12	11.62
13	10.59	10.11	8.98	10.34	8.94	8.86	13.12	17.80	13.43	13.59	12.13	11.48
14	10.63	9.99	9.06	10.39	9.02	9.19	13.03	17.18	13.60	13.54	11.85	11.51
15	10.55	9.97	9.13	9.88	9.00	9.20	13.22	16.74	13.68	13.21	11.84	11.65
16	10.43	9.99	8.96	9.50	8.92	9.19	13.41	16.70	13.50	13.00	12.13	11.52
17	10.34	10.06	9.09	8.94	9.02	9.28	13.48	16.23	13.03	13.28	11.77	11.47
18	10.39	9.92	9.13	8.89	9.30	9.16	13.48	15.64	12.86	13.44	11.71	11.46
19	10.21	9.94	9.07	8.99	8.63	9.09	13.57	14.46	12.94	13.35	11.64	11.36
20	10.15	9.91	9.05	9.12	8.72	9.17	13.49	13.81	13.09	13.14	11.69	11.34
21	10.17	9.93	9.43	9.17	8.95	9.44	13.35	13.63	13.32	12.74	11.70	11.31
22	10.25	9.63	9.41	9.13	8.96	9.47	13.64	13.82	13.53	12.45	11.84	11.33
23	10.27	9.59	10.24	9.34	8.89	9.81	14.54	13.56	13.69	12.44	12.06	11.34
24	10.29	9.30	10.44	9.36	8.63	9.84	14.31	13.84	13.15	12.63	11.79	11.22
25	10.16	9.15	10.81	9.03	8.52	9.99	14.11	13.79	12.96	12.86	11.42	11.32
26	10.05	9.38	11.12	8.86	8.89	10.30	13.85	13.94	13.10	13.00	11.28	11.25
27	10.01	9.14	10.94	9.09	8.92	10.45	13.78	14.14	13.30	13.06	11.40	11.04
28	9.99	9.05	10.99	9.36	8.43	10.59	14.40	14.14	13.60	12.58	11.55	10.93
29	9.78	9.41	11.88	9.58	8.95	10.51	15.74	13.86	13.47	12.19	11.77	10.95
30	9.71	9.30	12.07	9.47	---	11.06	15.58	13.83	13.44	12.08	11.96	10.82
31	9.87	---	11.93	9.38	---	11.64	---	13.79	---	12.14	12.05	---
TOTAL	322.53	290.96	319.57	299.22	256.55	296.86	400.25	485.81	402.58	403.22	369.80	344.59
MEAN	10.40	9.70	10.31	9.65	8.85	9.58	13.34	15.67	13.42	13.01	11.93	11.49
MAX	11.12	10.11	13.82	11.66	9.30	11.64	15.74	17.99	14.07	13.63	12.70	12.08
MIN	9.71	9.05	8.96	8.86	8.43	8.86	11.83	13.56	12.86	12.08	11.28	10.82

WTR YR 1984 TOTAL 4191.94 MEAN 11.45 MAX 17.99 MIN 8.43

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1980 to current year.
pH: April 1980 to current year.
WATER TEMPERATURE: April 1980 to current year.
TURBIDITY: April 1980 to current year.
DISSOLVED OXYGEN: April 1980 to current year.
SUSPENDED SEDIMENT CONCENTRATION: October 1980 to current year.

INSTRUMENTATION.--Water-quality monitor since April 1980. Automatic pumping sediment sampler since October 1980.

REMARKS.--Water-quality monitor intake at south bank of canal 400 ft east of bridge. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 202 micromhos July 30, 1984; minimum, 19 micromhos Mar. 5, 1983.
pH: Maximum, 8.5 units June 27, 1981; minimum, 5.0 units Nov. 29-Dec. 2, 1983.
WATER TEMPERATURE: Maximum, 33.5 C July 14, 1981; minimum, 0.5 C Jan. 21, 1984.
TURBIDITY: Maximum, 550 NTU June 17, Aug. 29, 1980, Jan. 22, 24, 1982; minimum, 4.3 NTU Aug. 2, 1983.
DISSOLVED OXYGEN: Maximum, 13.5 mg/L Jan. 6, 1981; minimum, 2.0 mg/L July 18, 1981.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 35 mg/L May 2, 1984; minimum daily mean, 0 mg/L on several days during 1984 water year.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
pH: Maximum, 8.3 units Oct. 24, 1982; minimum, 5.3 units Apr. 5-7, 1983.
DISSOLVED OXYGEN: Maximum, 12.9 mg/L Jan. 21, Mar. 13, 1984; minimum, 2.5 mg/L Jul. 6-7, 1983.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 708 mg/L Aug. 7, 1983; minimum daily mean, 2 mg/L Jan. 10, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 202 micromhos July 30; minimum, 43 micromhos Nov. 29.
pH: Maximum, 7.8 units Oct. 15-16; minimum, 5.0 units Nov. 29-Dec. 2.
WATER TEMPERATURE: Maximum, 30.5 C July 12, 14; minimum, 0.5 C Jan. 21.
TURBIDITY: Maximum, 180 NTU Mar. 29; minimum, 9.8 NTU Oct. 21.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 35 mg/L May 2; minimum daily mean, 0 mg/L on several days during year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
14...	1345	143	6.7	14.0	3	4.5	9.4	91	10	--
JAN										
30...	1400	91	6.3	4.5	25	17	11.9	92	10	--
APR										
17...	1445	91	6.7	15.0	20	6.5	10.4	104	<10	K6
JUL										
10...	1130	135	7.0	28.0	10	12	6.0	77	<10	K60

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	ALKA- LINITY LAB (MG/L AS CACO3)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)
NOV									
14...	8.3	63	3.6	101	.14	.40	.720	.58	1.3
JAN									
30...	2.5	26	7.2	72	.10	.10	<.010	--	.70
APR									
17...	3.0	27	3.3	--	--	<.10	.030	2.1	2.1
JUL									
10...	2.5	41	2.5	88	.12	<.10	.060	.14	.20

DATE	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	PHENOLS TOTAL (UG/L)
NOV									
14...	1.7	.030	.020	490	36	30	24	.4	<1
JAN									
30...	.80	.040	.020	1100	380	180	200	1.1	<1
APR									
17...	--	.030	.030	540	130	60	23	1.0	<1
JUL									
10...	--	.030	.020	770	110	110	11	<.1	<1

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PCB, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)
NOV										
14...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JAN										
30...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
APR										
17...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010
JUL										
10...	<.1	<.10	<.010	<.1	<.010	<.010	<.010	<.01	<.010	<.010

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
NOV									
14...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JAN									
30...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
APR									
17...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01
JUL									
10...	<.010	<.01	<.010	<.010	<.010	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV									
14...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
JAN									
30...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
APR									
17...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01
JUL									
10...	<.01	<.01	<.1	<1	<.01	<.01	<.01	<.01	<.01

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	92	84	88	144	140	142	50	47	49	---	---	---
2	90	86	88	142	139	140	52	49	50	---	---	---
3	114	87	95	143	139	140	55	53	54	---	---	---
4	125	115	121	141	134	138	56	54	55	---	---	---
5	130	123	127	136	132	134	58	54	56	---	---	---
6	132	125	128	138	134	135	60	57	58	---	---	---
7	136	129	132	138	134	136	58	55	57	---	---	---
8	140	135	137	142	137	139	59	56	58	---	---	---
9	142	136	139	146	140	144	61	57	59	---	---	---
10	146	139	142	145	139	142	63	60	61	---	---	---
11	147	142	145	144	138	140	65	62	64	---	---	---
12	150	142	146	141	137	139	66	64	65	101	98	100
13	143	135	139	146	140	142	66	63	64	102	99	100
14	144	137	141	145	140	143	64	63	64	104	99	101
15	147	140	143	144	142	142	64	62	63	103	93	99
16	149	143	146	145	142	144	---	---	---	103	97	100
17	151	146	149	146	142	144	---	---	---	107	97	102
18	153	148	151	149	144	146	---	---	---	109	98	106
19	155	149	152	152	150	152	---	---	---	106	94	100
20	157	152	154	154	147	150	---	---	---	106	96	102
21	159	153	156	152	146	150	---	---	---	101	92	95
22	159	153	156	152	149	151	---	---	---	101	97	98
23	156	150	153	150	96	124	---	---	---	99	96	97
24	152	147	150	121	105	115	---	---	---	97	87	93
25	148	146	147	116	77	92	---	---	---	100	84	91
26	152	146	148	107	91	98	---	---	---	108	100	103
27	150	146	148	111	56	88	---	---	---	103	90	97
28	149	146	148	56	44	47	---	---	---	93	89	91
29	146	143	145	57	43	51	---	---	---	93	91	92
30	148	144	146	48	46	47	---	---	---	93	86	90
31	145	143	143	---	---	---	---	---	---	89	86	88
MONTH	159	84	139	154	43	127						

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	102	84	94	91	90	90	95	85	89	---	---	---
2	114	99	107	91	87	90	97	90	93	---	---	---
3	114	108	113	94	89	91	91	78	84	---	---	---
4	106	98	100	94	85	89	82	78	80	---	---	---
5	110	100	106	86	80	84	84	78	80	---	---	---
6	108	99	104	90	77	82	92	82	86	---	---	---
7	105	97	102	88	78	82	92	88	90	---	---	---
8	105	93	99	89	79	84	90	81	86	---	---	---
9	116	102	109	83	80	82	84	79	81	---	---	---
10	121	112	116	86	80	82	94	85	92	---	---	---
11	119	117	118	88	78	83	95	91	93	61	54	58
12	119	106	114	98	83	90	93	86	90	62	59	60
13	118	109	115	110	93	100	97	89	92	62	59	61
14	111	100	105	109	91	96	90	83	86	67	60	64
15	111	98	103	103	91	96	99	90	95	76	68	74
16	109	96	103	101	97	99	100	96	98	78	68	75
17	112	100	106	100	91	96	97	94	96	90	73	82
18	105	102	103	98	83	90	96	93	94	105	89	97
19	113	100	106	115	86	92	96	93	94	112	105	108
20	111	106	109	115	99	110	94	87	92	112	107	110
21	108	102	105	104	89	96	---	---	---	112	106	110
22	103	100	102	95	88	91	---	---	---	106	103	104
23	105	99	101	92	88	90	---	---	---	108	95	104
24	119	104	110	91	85	89	---	---	---	105	101	102
25	120	113	117	89	85	87	---	---	---	104	101	103
26	109	100	105	91	88	89	---	---	---	102	97	99
27	101	91	98	93	90	91	---	---	---	102	99	100
28	110	89	104	93	68	77	---	---	---	100	94	98
29	103	90	94	70	53	61	---	---	---	99	94	96
30	---	---	---	81	55	72	---	---	---	98	93	95
31	---	---	---	88	79	83	---	---	---	98	93	96
MONTH	121	84	106	115	53	88						

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	103	95	99	138	116	124	179	150	168	169	165	167
2	120	97	108	181	134	146	168	149	158	169	165	167
3	114	103	108	139	125	130	149	136	140	169	163	167
4	115	104	108	132	125	128	151	135	141	165	155	159
5	126	105	115	133	120	125	175	145	161	159	151	156
6	119	107	112	124	119	121	174	147	155	159	151	155
7	111	108	109	128	120	123	151	143	147	160	151	155
8	112	109	110	137	124	131	154	142	147	157	154	155
9	115	110	112	139	125	133	152	142	146	158	154	156
10	137	114	119	141	125	134	152	144	147	157	149	153
11	145	133	141	135	125	129	157	144	149	154	149	152
12	150	137	144	128	125	126	153	143	147	156	151	154
13	136	128	131	128	126	127	148	142	145	160	154	157
14	128	125	126	129	125	127	146	142	143	161	155	157
15	129	124	127	131	125	127	149	142	145	160	153	158
16	135	127	131	141	126	132	149	145	147	156	152	154
17	165	130	149	127	121	125	148	145	146	153	149	151
18	177	136	164	124	118	121	152	146	148	152	149	151
19	149	135	142	122	114	118	171	152	161	153	148	151
20	139	120	130	127	116	121	168	155	160	153	149	151
21	151	120	125	161	120	138	171	153	163	154	150	152
22	127	123	125	177	131	158	169	155	161	155	151	153
23	127	120	124	184	144	164	161	154	157	155	143	153
24	138	115	124	161	142	149	157	153	155	161	153	156
25	148	129	139	144	136	141	157	152	154	162	154	156
26	141	123	130	142	134	138	166	153	160	157	151	153
27	128	120	123	148	133	142	190	170	182	157	150	152
28	136	119	124	162	134	146	188	176	181	160	148	153
29	129	116	122	198	144	172	176	165	170	151	143	148
30	125	116	122	202	174	188	170	165	167	162	146	156
31	---	---	---	183	161	173	168	164	166	---	---	---
MONTH	177	95	125	202	114	137	190	135	155	169	143	155
YEAR	202	43	119									

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.9	6.7	7.4	7.2	5.2	5.0	---	---	6.5	6.3	7.5	7.4
2	6.9	6.7	7.3	7.1	5.2	5.0	---	---	6.6	6.4	7.4	7.2
3	7.1	6.7	7.4	7.2	5.1	5.1	---	---	6.7	6.6	7.3	7.1
4	7.3	7.1	7.4	7.3	5.2	5.1	---	---	6.7	6.6	7.1	6.8
5	7.4	7.2	7.4	7.3	5.2	5.1	---	---	6.7	6.6	6.8	6.2
6	7.5	7.3	7.4	7.3	5.3	5.2	---	---	6.8	6.6	6.8	6.6
7	7.5	7.3	7.3	7.2	5.3	5.2	---	---	6.6	6.5	6.8	6.5
8	7.5	7.4	7.3	7.2	5.4	5.3	---	---	6.6	6.4	6.8	6.5
9	7.6	7.4	7.3	7.1	5.4	5.3	---	---	6.6	6.5	6.8	6.7
10	7.6	7.5	7.1	7.0	5.4	5.3	---	---	6.7	6.5	6.7	6.4
11	7.6	7.5	7.0	7.0	5.4	5.3	---	---	6.9	6.7	6.5	6.4
12	7.5	7.3	7.0	6.9	5.4	5.4	6.6	6.5	6.9	6.7	6.5	6.4
13	7.6	7.3	6.9	6.8	5.4	5.4	6.6	6.5	6.9	6.7	6.8	6.4
14	7.7	7.5	6.7	6.7	5.4	5.4	6.7	6.5	6.8	6.6	6.8	6.5
15	7.8	7.6	6.9	6.7	5.5	5.4	6.6	6.4	6.8	6.5	6.5	6.4
16	7.8	7.6	7.0	6.9	---	---	6.5	6.4	6.9	6.6	6.5	6.4
17	7.7	7.5	7.1	7.1	---	---	6.5	6.4	7.0	6.7	6.5	6.2
18	7.6	7.4	7.2	7.1	---	---	6.7	6.5	7.1	6.9	6.4	6.1
19	7.5	7.3	7.3	7.2	---	---	6.7	6.4	7.0	6.7	6.5	6.1
20	7.4	7.3	7.5	7.3	---	---	6.7	6.5	7.0	6.8	6.6	6.5
21	7.3	7.1	7.6	7.5	---	---	6.7	6.5	7.2	6.9	6.7	6.5
22	7.2	7.1	7.7	7.5	---	---	6.5	6.4	7.2	7.0	6.7	6.5
23	7.3	7.2	7.5	6.6	---	---	6.5	6.4	7.2	6.9	6.9	6.7
24	7.4	7.3	6.8	6.6	---	---	6.6	6.2	7.2	6.9	6.9	6.6
25	7.5	7.4	6.6	6.1	---	---	6.3	6.2	7.4	7.2	6.8	6.6
26	7.4	7.3	6.4	6.2	---	---	6.4	6.3	7.4	7.2	6.8	6.6
27	7.4	7.3	6.4	5.5	---	---	6.4	6.3	7.3	6.9	6.8	6.6
28	7.4	7.3	5.4	5.3	---	---	6.4	6.3	7.2	6.9	6.7	6.0
29	7.4	7.2	5.2	5.0	---	---	6.5	6.4	7.6	7.4	6.0	5.4
30	7.4	7.3	5.2	5.0	---	---	6.6	6.4	---	---	6.2	5.4
31	7.5	7.3	---	---	---	---	6.6	6.4	---	---	6.5	6.3
MONTH	7.8	6.7	7.7	5.0					7.6	6.3	7.5	5.4

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.5	6.3	---	---	6.8	6.6	6.9	6.7	7.4	7.2	7.6	7.2
2	6.5	6.4	---	---	7.0	6.6	6.9	6.8	7.4	7.3	7.4	7.2
3	6.4	6.2	---	---	6.8	6.6	7.0	6.7	7.3	7.2	7.3	7.1
4	6.2	6.1	---	---	6.7	6.5	6.8	6.6	7.3	7.1	7.4	7.0
5	6.4	6.1	---	---	6.8	6.5	6.7	6.6	7.2	7.1	7.4	7.0
6	6.7	6.4	---	---	6.7	6.5	6.8	6.7	7.3	7.1	7.5	7.0
7	6.7	6.5	---	---	6.8	6.4	6.9	6.6	7.5	7.2	7.4	7.0
8	6.6	6.4	---	---	6.7	6.5	6.8	6.7	7.5	7.3	7.3	7.0
9	6.6	6.4	---	---	6.7	6.5	6.7	6.6	7.4	7.2	7.4	7.3
10	6.8	6.6	---	---	7.0	6.7	6.9	6.6	7.5	7.1	7.4	7.0
11	6.8	6.6	6.0	5.8	7.0	6.6	7.0	6.7	7.5	7.0	7.2	7.0
12	6.7	6.6	6.0	5.8	6.9	6.6	7.4	6.9	7.3	7.1	7.3	7.0
13	6.7	6.6	5.9	5.8	6.9	6.6	7.4	6.9	7.3	6.9	7.4	7.0
14	6.6	6.4	6.0	5.9	6.6	6.5	7.1	6.7	7.3	7.0	7.1	7.0
15	6.8	6.5	6.2	6.0	6.6	6.4	6.9	6.7	7.3	7.1	7.5	7.1
16	6.8	6.7	6.2	6.0	6.8	6.5	7.0	6.8	7.3	7.1	7.5	7.2
17	6.9	6.5	6.3	6.1	6.8	6.5	7.0	6.9	7.4	7.0	7.4	7.1
18	6.7	6.7	6.6	6.3	6.8	6.5	7.2	6.8	7.4	7.0	7.4	7.1
19	6.8	6.5	6.6	6.4	6.6	6.5	7.2	6.8	7.3	7.0	7.4	7.1
20	6.7	6.5	6.5	6.4	6.8	6.5	7.5	6.8	7.2	7.0	7.4	7.1
21	6.5	6.4	6.5	6.4	7.0	6.6	7.4	6.9	7.3	7.0	7.4	7.1
22	6.4	6.0	6.5	6.4	6.9	6.7	7.3	7.1	7.2	7.1	7.3	7.0
23	6.8	6.4	6.7	6.2	7.0	6.7	7.5	7.1	7.5	7.1	7.3	7.0
24	6.7	6.3	6.7	6.5	6.8	6.6	7.3	7.1	7.6	7.2	7.2	7.0
25	6.4	6.3	6.6	6.4	7.1	6.7	7.2	7.0	7.5	7.2	7.2	7.0
26	6.3	6.2	6.5	6.3	7.2	6.8	7.2	7.1	7.3	7.0	7.2	7.1
27	6.5	6.2	6.6	6.2	7.2	6.9	7.2	7.0	7.4	7.0	7.1	7.0
28	---	---	6.4	6.1	7.2	6.9	7.1	6.9	7.3	7.1	7.2	7.1
29	---	---	6.8	6.3	7.0	6.7	7.2	7.0	7.3	7.2	7.3	7.1
30	---	---	6.9	6.5	7.0	6.7	7.5	7.1	7.4	7.2	7.2	7.1
31	---	---	7.0	6.6	---	---	7.4	7.2	7.7	7.2	---	---
MONTH	6.9	6.0			7.2	6.4	7.5	6.6	7.7	6.9	7.6	7.0
YEAR	7.8	5.0										

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.5	22.5	23.0	19.5	18.5	19.0	15.0	14.0	14.5	---	---	---
2	23.5	22.5	23.0	19.5	19.0	19.0	15.5	14.5	14.5	---	---	---
3	24.0	22.5	23.0	20.0	19.5	19.5	16.5	15.5	16.0	---	---	---
4	24.0	23.5	23.5	20.0	18.0	19.0	16.5	16.0	16.5	---	---	---
5	24.5	23.5	24.0	18.0	16.5	17.0	17.0	15.0	15.5	---	---	---
6	24.0	22.5	23.5	17.0	16.5	17.0	17.0	14.5	16.0	---	---	---
7	23.5	23.0	23.5	17.0	16.5	17.0	14.5	13.0	13.5	---	---	---
8	23.5	23.0	23.0	18.0	16.5	17.0	14.5	13.0	13.5	---	---	---
9	23.5	22.5	23.0	18.0	17.0	17.5	14.5	13.5	14.0	---	---	---
10	23.0	22.5	23.0	17.5	15.5	16.5	16.5	14.5	15.5	---	---	---
11	23.0	22.5	22.5	15.5	14.0	15.0	17.5	16.5	16.5	---	---	---
12	22.5	21.5	22.0	14.5	13.5	14.0	17.0	15.0	16.0	3.5	3.0	3.0
13	21.5	20.0	20.5	15.0	14.0	14.5	15.0	14.5	14.5	3.5	3.5	3.5
14	20.5	19.5	20.0	14.5	14.0	14.0	14.5	13.5	14.0	4.0	3.0	3.5
15	21.0	20.0	20.5	14.5	14.5	14.5	13.5	12.5	13.0	3.5	3.5	3.5
16	21.0	20.0	20.5	14.5	13.5	14.0	---	---	---	3.5	3.5	3.5
17	21.0	20.5	21.0	13.5	13.0	13.5	---	---	---	4.0	3.5	4.0
18	21.5	21.0	21.0	14.0	13.5	13.5	---	---	---	4.0	3.0	4.0
19	22.0	21.0	21.5	15.0	14.0	14.5	---	---	---	3.5	2.0	2.5
20	22.0	21.5	21.5	15.0	14.5	15.0	---	---	---	3.0	1.0	2.0
21	22.0	22.0	22.0	14.5	14.0	14.0	---	---	---	2.0	.5	1.0
22	22.0	21.0	21.5	14.5	14.0	14.5	---	---	---	2.0	1.0	1.5
23	21.0	20.0	20.5	16.0	14.5	15.0	---	---	---	2.0	1.5	1.5
24	20.0	19.5	19.5	15.5	14.0	14.5	---	---	---	2.5	2.0	2.0
25	19.5	18.0	18.5	14.5	13.5	14.0	---	---	---	3.0	2.5	2.5
26	19.0	17.5	18.0	13.5	13.0	13.5	---	---	---	3.5	2.5	3.0
27	18.5	17.5	18.0	14.0	13.0	13.5	---	---	---	4.0	3.0	3.5
28	19.0	18.0	18.5	13.5	11.5	12.0	---	---	---	4.0	3.5	4.0
29	19.0	18.0	18.5	13.5	11.0	11.5	---	---	---	4.5	3.5	4.0
30	19.5	19.0	19.0	14.0	13.0	13.5	---	---	---	4.5	4.0	4.5
31	19.5	19.0	19.0	---	---	---	---	---	---	5.0	4.0	4.5
MONTH	24.5	17.5	21.0	20.0	11.0	15.0						

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.0	4.0	4.5	7.5	7.0	7.0	14.0	12.5	13.0	---	---	---
2	5.5	4.5	5.0	9.0	7.0	8.0	14.0	13.5	13.5	---	---	---
3	6.5	5.5	6.0	10.0	8.0	9.0	14.5	13.5	14.0	---	---	---
4	7.0	6.0	6.5	10.5	9.0	9.5	15.0	14.5	14.5	---	---	---
5	6.5	5.0	6.0	10.0	9.5	9.5	14.0	13.5	14.0	---	---	---
6	5.5	4.5	5.0	10.0	9.0	9.5	15.0	13.0	14.0	---	---	---
7	6.0	4.5	5.0	10.0	8.5	9.5	15.0	14.0	14.5	---	---	---
8	5.5	4.5	5.0	10.0	9.0	9.5	14.0	14.0	14.0	---	---	---
9	5.5	4.5	5.0	9.5	8.5	9.0	15.0	14.0	14.0	---	---	---
10	6.5	5.0	6.0	9.0	8.5	8.5	15.0	14.0	14.5	---	---	---
11	8.0	6.5	7.5	9.5	8.0	9.0	15.0	14.5	14.5	19.5	18.5	19.0
12	9.0	8.0	8.5	9.0	8.5	9.0	16.5	15.0	15.5	20.0	19.5	19.5
13	10.5	8.5	9.5	10.0	9.0	9.5	17.0	15.5	16.0	20.0	19.5	19.5
14	11.0	10.0	10.0	11.5	9.5	10.0	17.0	16.5	16.5	20.0	19.5	20.0
15	11.0	10.0	10.0	12.5	10.5	11.5	17.0	16.0	16.0	21.0	20.0	20.5
16	11.0	10.5	10.5	13.0	12.5	12.5	16.0	15.5	15.5	22.0	20.5	20.5
17	12.0	10.5	11.0	13.5	12.5	13.0	15.5	15.0	15.0	21.0	20.5	21.0
18	12.0	10.5	11.5	13.5	13.0	13.0	16.0	15.0	15.5	22.5	21.0	21.5
19	12.5	11.5	12.0	14.5	13.0	14.0	15.5	15.0	15.5	22.5	21.5	22.0
20	12.5	11.5	12.0	14.5	13.0	14.0	15.5	15.5	15.5	21.5	21.0	21.5
21	12.0	11.0	11.5	13.0	12.0	12.5	17.0	15.5	16.0	22.0	21.5	22.0
22	11.5	11.0	11.0	13.0	11.5	12.5	18.0	17.0	17.5	22.5	22.0	22.0
23	11.5	10.5	11.0	14.0	12.5	13.0	17.5	16.0	16.5	24.0	22.0	23.0
24	11.0	10.5	11.0	14.0	13.5	13.5	17.0	15.5	16.5	24.0	23.0	23.5
25	11.5	10.5	11.0	13.0	13.0	13.0	17.5	16.5	17.0	24.0	23.0	23.5
26	11.5	11.0	11.0	13.5	13.0	13.0	18.0	17.5	17.5	24.0	23.0	23.5
27	11.0	10.0	10.5	14.0	13.5	13.5	18.0	17.5	18.0	24.5	23.5	24.0
28	10.0	8.0	9.0	14.5	14.0	14.0	---	---	---	24.5	22.5	23.5
29	8.0	7.0	7.5	14.0	13.5	13.5	---	---	---	24.0	22.0	23.0
30	---	---	---	15.0	13.0	14.0	---	---	---	23.0	22.0	22.5
31	---	---	---	14.5	13.5	13.5	---	---	---	22.0	21.5	22.0
MONTH	12.5	4.0	8.5	15.0	7.0	11.5	18.0	12.5	15.5			

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.0	21.5	22.0	28.0	26.5	27.0	27.0	27.0	27.0	28.0	27.5	28.0
2	23.5	21.5	22.5	28.0	27.0	27.0	27.0	26.5	27.0	28.5	28.0	28.0
3	23.0	22.0	22.5	27.5	27.5	27.5	26.5	26.0	26.5	28.0	27.0	28.0
4	23.5	22.5	23.0	28.0	27.0	27.5	26.5	26.0	26.5	27.5	26.5	27.0
5	24.5	22.5	23.5	28.0	27.5	27.5	27.0	26.0	26.5	27.0	25.5	26.0
6	24.5	23.0	24.0	27.5	27.0	27.0	27.0	26.0	26.5	26.5	26.0	26.0
7	24.5	23.0	24.0	28.5	27.0	27.5	28.0	27.0	27.0	26.0	25.5	25.5
8	24.5	23.0	24.0	27.5	27.5	27.5	27.5	27.0	27.5	25.5	25.0	25.0
9	25.5	23.5	24.5	27.5	27.0	27.5	27.5	27.0	27.5	25.0	24.5	25.0
10	26.5	25.5	25.5	28.5	27.0	27.5	27.5	27.0	27.0	25.0	24.5	24.5
11	26.5	25.5	26.0	29.5	28.0	28.5	28.0	27.0	27.0	25.5	24.5	25.0
12	27.0	25.5	26.0	30.5	28.5	29.0	28.0	27.5	28.0	26.0	25.0	25.5
13	26.5	26.0	26.0	30.0	29.0	29.5	28.5	27.5	28.0	26.5	26.0	26.5
14	26.5	25.5	26.0	30.5	28.5	29.5	28.5	28.0	28.5	27.5	26.0	26.5
15	26.5	25.5	26.0	30.0	29.0	29.5	28.5	28.0	28.5	27.5	24.5	26.5
16	28.5	26.5	27.5	29.5	29.0	29.5	28.5	28.0	28.5	25.5	23.5	24.5
17	29.0	27.0	28.0	29.5	28.5	29.0	29.0	27.5	28.0	25.0	23.5	24.5
18	29.0	27.0	28.5	29.0	28.0	28.5	29.0	28.0	28.5	24.5	23.0	23.5
19	28.5	27.5	28.0	28.5	27.5	28.0	28.5	27.5	28.0	24.0	23.0	23.5
20	29.0	27.5	28.0	29.0	28.0	28.0	29.0	28.0	28.5	24.5	23.5	23.5
21	29.5	28.0	29.0	29.0	28.0	28.5	29.0	28.0	28.5	24.5	23.5	24.0
22	29.5	28.5	28.5	29.5	28.5	29.0	29.0	28.5	28.5	24.0	23.5	24.0
23	29.5	28.5	29.0	29.5	28.5	29.0	29.0	28.0	28.5	24.5	24.0	24.0
24	29.0	27.5	28.5	29.5	29.0	29.0	29.0	28.0	28.5	24.5	24.0	24.0
25	29.5	28.0	28.5	29.5	29.0	29.0	28.5	27.5	28.0	25.0	24.0	24.5
26	29.0	28.5	28.5	30.0	29.0	29.5	28.0	27.5	27.5	25.0	23.0	24.0
27	29.0	28.0	28.5	29.5	28.0	29.0	28.0	27.0	27.5	23.0	22.0	22.5
28	29.0	27.5	28.0	28.5	27.5	28.0	28.0	27.5	27.5	22.0	20.5	21.5
29	27.5	27.0	27.0	28.0	27.5	28.0	28.0	27.0	27.5	21.0	19.0	20.0
30	27.5	27.0	27.5	28.0	27.5	27.5	28.0	27.5	27.5	20.5	19.5	20.0
31	---	---	---	27.5	27.0	27.0	28.5	27.0	27.5	---	---	---
MONTH	29.5	21.5	26.5	30.5	26.5	28.5	29.0	26.0	27.5	28.5	19.0	24.5
YEAR	30.5	.5	19.0									

TURBIDITY (NTU), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	65	20	30	30	25	25	60	40	50	---	---	---
2	35	20	30	35	25	30	65	60	65	---	---	---
3	35	25	30	30	20	25	70	65	65	---	---	---
4	30	20	25	30	20	25	70	70	70	---	---	---
5	30	20	20	35	25	30	70	70	70	---	---	---
6	30	20	25	30	25	25	75	70	70	---	---	---
7	25	20	20	30	25	25	75	75	75	---	---	---
8	25	15	20	30	20	25	75	70	75	---	---	---
9	25	15	20	25	20	25	80	75	75	---	---	---
10	20	15	20	35	25	25	75	75	75	---	---	---
11	20	15	15	30	25	30	75	75	75	---	---	---
12	25	15	20	30	25	30	75	75	75	50	40	45
13	35	25	30	30	20	25	75	75	75	45	35	40
14	35	20	25	30	20	25	75	75	75	40	35	35
15	30	20	25	25	20	20	80	75	75	50	35	35
16	30	20	25	30	20	25	---	---	---	50	40	40
17	25	20	20	25	25	25	---	---	---	45	40	40
18	25	20	20	30	25	25	---	---	---	45	40	40
19	25	10	20	30	25	25	---	---	---	45	40	40
20	30	15	20	30	25	25	---	---	---	40	35	40
21	15	9.8	15	35	30	30	---	---	---	40	35	35
22	60	15	30	35	25	30	---	---	---	40	35	35
23	30	25	25	130	30	70	---	---	---	35	35	35
24	30	20	25	80	65	70	---	---	---	60	35	45
25	30	25	25	130	65	100	---	---	---	55	40	45
26	30	25	25	90	65	80	---	---	---	50	40	45
27	30	20	25	100	60	80	---	---	---	45	40	45
28	30	25	25	110	85	90	---	---	---	45	40	40
29	35	25	30	90	30	65	---	---	---	45	40	40
30	30	25	25	40	35	40	---	---	---	40	35	35
31	35	25	25	---	---	---	---	---	---	40	35	35
MONTH	65	9.8	24	130	20	39						

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	40	35	35	35	30	30	55	35	45	---	---	---
2	40	30	35	35	30	30	40	35	35	---	---	---
3	35	30	30	35	25	30	45	35	40	---	---	---
4	35	35	35	30	30	30	55	45	50	---	---	---
5	35	35	35	35	25	30	55	45	50	---	---	---
6	35	30	30	40	35	35	45	35	40	---	---	---
7	35	30	30	40	35	35	45	35	35	---	---	---
8	30	30	30	35	30	35	40	35	35	---	---	---
9	30	25	30	35	35	35	45	35	40	---	---	---
10	30	25	25	35	30	30	35	35	35	---	---	---
11	30	25	30	30	25	30	35	30	35	65	55	60
12	30	30	30	45	30	35	30	30	30	70	55	55
13	35	30	30	45	30	35	35	30	30	65	50	55
14	45	30	40	35	30	30	35	30	35	65	50	55
15	45	30	35	35	25	30	45	30	35	60	45	55
16	40	30	35	30	25	30	35	30	35	60	40	50
17	35	30	35	45	30	35	35	30	30	55	35	45
18	35	30	30	55	35	40	35	30	35	45	25	35
19	40	25	30	45	35	40	35	30	30	40	15	30
20	30	25	30	40	35	35	35	30	35	25	15	20
21	35	30	30	45	35	40	60	30	35	30	15	20
22	40	25	30	35	30	30	140	70	95	35	20	25
23	30	25	25	30	25	30	65	40	45	35	20	25
24	30	25	25	30	25	25	75	40	60	35	25	25
25	30	25	25	30	25	25	80	55	65	35	20	25
26	30	25	25	30	25	25	95	80	85	45	20	30
27	50	25	35	30	25	25	95	60	85	35	20	25
28	55	35	40	150	30	110	---	---	---	45	20	30
29	40	30	35	180	140	160	---	---	---	95	30	55
30	---	---	---	170	80	110	---	---	---	90	70	75
31	---	---	---	80	50	65	---	---	---	85	70	75
MONTH	55	25	31	180	25	40	140	30	45			

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	85	70	75	40	30	35	30	20	25	30	20	25
2	80	65	70	40	25	30	30	20	25	30	20	25
3	90	65	75	45	30	35	35	20	25	30	20	25
4	90	65	75	45	35	40	35	20	25	35	20	25
5	85	65	75	45	30	35	35	20	25	40	20	30
6	85	65	70	50	30	35	35	20	25	45	20	35
7	80	65	70	50	25	40	35	20	25	45	25	35
8	85	65	70	40	25	30	25	20	20	40	25	35
9	80	60	70	45	25	35	25	20	20	35	25	25
10	70	55	60	40	30	35	30	20	25	40	25	30
11	75	30	50	40	25	30	35	20	25	35	25	30
12	45	30	35	35	20	25	30	20	25	40	25	30
13	50	35	40	25	20	20	35	20	25	40	20	30
14	50	30	40	30	20	25	30	20	25	45	25	35
15	55	30	35	30	20	25	30	20	20	40	25	30
16	45	30	35	30	25	25	35	20	25	40	30	35
17	35	30	30	35	25	30	40	20	25	40	25	30
18	40	30	30	50	35	40	30	20	25	40	25	30
19	45	30	35	60	25	45	35	25	30	40	25	30
20	40	25	30	35	20	25	35	25	30	40	25	35
21	35	20	25	45	20	25	35	20	25	45	30	35
22	35	25	30	35	20	25	35	25	30	40	30	35
23	35	20	30	35	20	25	35	25	30	50	30	35
24	50	30	35	35	20	25	40	25	30	45	30	40
25	35	25	30	30	20	25	35	30	30	45	30	35
26	35	25	30	30	20	25	45	30	40	35	30	35
27	35	25	30	40	25	30	45	20	30	55	35	40
28	35	25	30	45	30	35	30	20	25	60	40	45
29	60	25	45	40	25	30	30	20	20	50	35	40
30	60	30	40	30	20	25	30	20	20	50	35	40
31	---	---	---	30	25	25	30	20	20	---	---	---
MONTH	90	20	45	60	20	30	45	20	26	60	20	33
YEAR	180	9.8	37									

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	9.1	8.5	8.7	8.6	8.1	8.2				---	---	---
2	8.6	7.7	8.2	8.5	8.0	8.2				---	---	---
3	8.1	7.1	7.6	9.2	8.3	8.5				---	---	---
4	7.0	5.3	6.4	9.0	7.8	8.0				---	---	---
5	5.5	4.9	5.1	8.5	8.0	8.3				---	---	---
6	5.7	5.0	5.3	8.5	7.6	8.1				---	---	---
7	5.9	5.3	5.5	8.6	7.6	8.1				---	---	---
8	6.1	5.7	5.9	8.5	8.0	8.3				---	---	---
9	6.8	6.2	6.4	9.0	8.7	8.9				---	---	---
10	7.3	6.6	6.9	9.8	9.6	9.7				---	---	---
11	7.7	7.2	7.4	9.6	9.5	9.6				---	---	---
12	8.2	7.7	8.0	9.5	9.3	9.4				---	---	---
13	8.9	7.7	8.3	9.4	9.3	9.3				---	---	---
14	9.3	8.5	8.9	9.4	7.5	9.0				---	---	---
15	9.5	9.1	9.2	7.4	6.7	7.0				---	---	---
16	9.4	9.1	9.2	7.4	6.9	7.2				---	---	---
17	9.5	9.1	9.3	7.7	7.2	7.4				---	---	---
18	9.5	9.1	9.3	7.3	7.0	7.2				---	---	---
19	9.6	9.2	9.4	7.9	7.4	7.7				12.2	11.9	12.1
20	9.4	8.9	9.2	8.4	7.7	8.0				12.8	11.9	12.3
21	9.0	8.5	8.7	8.7	8.4	8.6				12.9	12.2	12.7
22	8.6	8.4	8.5	9.4	9.1	9.2				12.3	12.0	12.1
23	8.4	8.0	8.2	---	---	---				12.2	11.9	12.0
24	8.0	6.8	7.5	---	---	---				12.2	11.1	11.5
25	8.3	7.1	7.7	---	---	---				11.1	10.8	11.0
26	---	---	---	---	---	---				10.8	10.6	10.7
27	---	---	---	---	---	---				11.1	10.7	10.8
28	8.2	7.4	7.8	---	---	---				11.0	10.9	11.0
29	7.9	7.2	7.5	---	---	---				11.1	10.9	11.0
30	8.5	7.8	8.0	---	---	---				11.1	10.9	11.0
31	8.6	8.1	8.3							10.9	10.8	10.9
MONTH	9.6	4.9	7.8									

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.8	10.5	10.6	12.2	11.8	12.0	10.8	10.5	10.6	---	---	---
2	10.6	10.4	10.5	12.2	11.9	12.1	11.0	10.4	10.8	---	---	---
3	10.7	10.5	10.6	12.2	12.0	12.1	10.8	10.5	10.7	---	---	---
4	10.8	10.6	10.7	12.3	11.7	12.1	---	---	---	---	---	---
5	10.7	10.5	10.6	12.1	11.7	11.9	---	---	---	---	---	---
6	10.9	10.6	10.7	11.9	11.5	11.7	---	---	---	---	---	---
7	11.1	10.6	10.8	11.8	11.6	11.6	---	---	---	---	---	---
8	11.0	10.8	10.9	12.2	11.5	11.9	---	---	---	---	---	---
9	11.5	11.0	11.2	11.9	11.6	11.7	---	---	---	---	---	---
10	11.8	11.2	11.5	12.0	11.5	11.8	---	---	---	---	---	---
11	12.0	11.4	11.7	12.1	11.8	11.9	---	---	---	7.2	6.6	7.1
12	11.8	11.3	11.6	12.0	11.6	11.8	---	---	---	6.7	5.4	6.3
13	12.1	11.2	11.6	12.9	11.8	12.3	---	---	---	6.8	5.6	6.4
14	11.9	10.9	11.3	12.8	11.8	12.1	---	---	---	6.8	6.5	6.7
15	11.8	10.9	11.3	12.5	11.5	12.0	---	---	---	7.3	6.4	6.8
16	11.7	10.8	11.3	12.0	11.4	11.6	---	---	---	7.1	6.2	6.6
17	12.3	11.0	11.6	11.3	10.9	11.1	10.8	10.4	10.6	7.4	6.4	7.0
18	11.7	11.2	11.4	11.1	10.5	10.7	10.6	10.2	10.3	7.4	6.5	6.8
19	11.6	11.2	11.5	10.5	10.2	10.4	10.3	9.9	10.1	7.2	5.6	6.3
20	12.0	11.4	11.7	10.5	10.0	10.3	10.3	9.5	10.0	6.8	5.7	6.2
21	11.8	11.5	11.6	10.4	9.9	10.2	10.2	8.9	9.8	7.1	6.2	6.7
22	11.9	11.4	11.6	10.4	10.2	10.3	9.0	8.6	8.9	6.9	6.1	6.5
23	12.0	11.2	11.6	10.8	10.3	10.5	9.4	8.8	9.1	7.8	5.2	6.7
24	12.2	11.7	12.0	10.7	10.3	10.5	9.2	8.8	8.9	7.7	6.9	7.3
25	12.8	12.2	12.5	10.4	10.2	10.3	9.0	8.3	8.7	7.6	6.6	7.1
26	12.2	11.5	11.8	10.3	9.7	10.0	8.4	7.6	7.9	7.0	5.3	6.2
27	11.5	11.2	11.3	10.2	9.8	10.0	8.2	7.5	7.8	7.3	5.1	6.2
28	11.9	11.4	11.7	10.0	9.7	9.8	---	---	---	7.0	3.8	5.5
29	12.1	11.6	11.8	10.2	9.9	10.0	---	---	---	8.2	6.6	7.1
30	---	---	---	10.3	10.0	10.1	---	---	---	8.4	6.6	7.6
31	---	---	---	10.8	10.2	10.5	---	---	---	8.2	6.4	7.3
MONTH	12.8	10.4	11.3	12.9	9.7	11.1						

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.0	6.3	6.8	7.4	6.8	7.1	8.2	7.4	7.8	7.5	6.5	6.9
2	8.3	6.6	7.4	7.6	6.7	7.2	8.0	7.6	7.8	7.0	5.9	6.5
3	7.6	6.0	6.5	7.5	5.5	6.6	7.8	7.1	7.4	6.6	5.6	6.3
4	6.8	5.3	6.4	6.1	4.8	5.6	7.5	7.1	7.3	7.2	5.8	6.3
5	7.2	5.1	6.3	5.7	4.1	4.7	7.6	7.2	7.4	7.3	6.1	6.8
6	6.7	4.9	6.2	5.1	4.4	4.8	7.8	6.7	7.1	7.4	5.8	6.8
7	6.8	4.3	5.8	6.1	4.1	5.0	7.9	7.2	7.5	7.3	6.2	6.6
8	6.4	4.4	5.8	6.3	5.8	6.1	7.8	7.2	7.5	7.2	6.2	6.8
9	6.6	4.8	5.8	5.9	5.1	5.6	7.6	7.3	7.4	7.4	6.9	7.1
10	7.7	6.2	6.8	6.1	5.1	5.9	8.3	7.1	7.3	7.1	6.3	6.7
11	7.7	6.4	7.0	6.5	4.2	5.6	8.1	6.6	7.2	6.9	6.2	6.5
12	7.4	5.2	6.3	7.3	5.4	6.1	7.7	6.6	7.2	7.2	6.5	6.9
13	7.2	5.3	6.0	7.4	5.5	6.8	7.8	6.4	6.9	7.4	6.6	7.0
14	6.1	4.7	5.2	7.0	4.5	6.2	7.6	6.7	7.2	7.1	6.3	6.8
15	5.7	3.9	4.6	6.9	4.1	6.3	7.6	6.6	6.9	7.7	6.7	7.1
16	6.4	4.2	5.2	7.6	6.3	6.8	7.0	6.4	6.7	8.1	7.1	7.5
17	6.4	4.5	5.9	7.6	6.8	7.0	7.5	6.1	6.7	7.9	6.7	7.1
18	6.2	4.4	5.7	8.5	6.6	7.2	7.5	6.5	7.0	7.9	6.7	7.3
19	5.5	4.3	4.9	8.1	6.2	7.2	7.5	6.2	6.5	7.9	7.1	7.5
20	6.5	4.3	5.2	8.1	6.6	7.2	7.4	6.3	6.7	7.8	7.2	7.4
21	7.1	4.9	6.1	8.0	7.3	7.6	7.5	6.0	6.6	7.8	7.2	7.4
22	6.5	5.2	5.8	7.9	7.0	7.5	7.0	6.4	6.7	7.5	6.9	7.2
23	6.8	5.8	6.3	7.6	6.9	7.3	7.4	6.3	6.7	7.6	7.1	7.3
24	6.2	5.5	5.8	7.5	6.6	7.0	7.8	6.4	7.1	7.4	7.0	7.2
25	8.1	5.8	6.5	6.7	5.9	6.5	7.4	6.6	7.0	7.6	7.0	7.2
26	8.0	6.5	7.3	7.6	6.5	7.1	6.8	5.6	6.2	7.3	7.1	7.2
27	8.2	6.9	7.5	7.6	7.1	7.3	7.5	6.0	6.6	7.7	7.1	7.3
28	8.2	6.8	7.3	7.8	7.0	7.3	7.1	6.4	6.7	8.1	7.3	7.7
29	7.6	6.8	7.1	7.9	7.2	7.6	6.8	6.4	6.5	8.6	7.8	8.2
30	8.0	7.1	7.4	8.4	7.3	7.7	7.2	6.0	6.5	8.3	7.8	7.9
31	---	---	---	8.4	7.4	7.9	7.7	6.4	6.7	---	---	---
MONTH	8.3	3.9	6.2	8.5	4.1	6.6	8.3	5.6	7.0	8.6	5.6	7.1
YEAR												

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9	8	28	4	11	12	22	26	18	8	8	1
2	7	8	17	6	12	12	9	35	14	7	6	1
3	8	8	17	10	11	12	7	---	11	7	7	2
4	9	7	18	14	9	12	6	---	13	6	7	9
5	7	6	21	16	10	12	8	---	8	6	6	12
6	6	---	20	12	7	12	8	---	8	7	6	11
7	6	---	22	10	1	10	7	---	6	7	8	12
8	5	---	18	12	0	12	6	---	6	7	8	14
9	4	---	18	9	2	4	6	---	6	9	8	10
10	6	---	16	12	2	6	8	18	6	9	8	12
11	6	---	14	13	0	2	6	24	2	20	7	10
12	6	---	11	11	2	2	5	17	4	21	8	10
13	8	---	8	12	2	6	4	16	5	8	7	9
14	8	---	6	9	4	6	4	14	6	11	7	8
15	8	---	5	8	2	8	4	14	6	6	1	10
16	10	3	10	10	0	12	4	14	6	6	3	10
17	8	---	12	12	4	10	7	14	6	6	4	10
18	10	0	8	9	0	10	10	12	4	8	4	15
19	10	0	8	10	0	7	28	11	6	8	4	9
20	9	0	7	9	2	8	10	10	4	10	2	8
21	6	2	6	10	2	8	9	8	4	8	5	6
22	6	2	6	8	6	8	10	8	14	12	5	8
23	6	2	5	7	12	8	14	16	11	5	6	6
24	8	8	8	8	12	6	12	8	13	6	5	7
25	9	10	6	8	12	7	14	6	5	6	8	6
26	6	12	6	10	9	7	12	8	6	16	8	6
27	6	12	6	9	8	8	14	8	8	2	6	6
28	8	14	5	7	14	7	16	8	5	4	7	5
29	8	22	6	8	18	16	30	15	18	4	6	6
30	8	20	6	10	---	19	26	18	10	6	6	10
31	9	---	4	10	---	21	---	28	---	9	14	---
MEAN	7		11	10	6	9	11		8	8	6	8

WTR YR 1984 MEAN 9 MAX 35 MIN 0

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi northeast of Etta, 3.8 mi upstream from Puskus Creek, 5.0 mi downstream from Locks Creek, 12.3 mi west of New Albany, and 55.0 mi upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi^2.

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--46 years, 868 ft^3/s, 22.41 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,200 ft^3/s May 19, 1983, maximum gage height; 29.32 ft Mar. 22, 1955; minimum, 4.1 ft^3/s Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 13,000 ft^3/s and maximum(*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 23	2300	29800	25.59	Apr. 22	1315	20200	24.57
Dec. 4	0230	*67500	28.18	May 3	1200	26000	25.22
Mar. 28	0830	16400	24.08	May 8	1500	30100	25.62

Minimum discharge, 25 ft^3/s Sept. 26, 27, gage height, 8.98 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	41	296	614	392	527	601	688	186	79	108	37
2	37	41	698	588	377	475	630	7480	172	64	66	48
3	36	41	32900	565	508	414	5520	22400	157	60	56	50
4	36	48	44100	541	517	392	1680	8700	148	94	62	44
5	36	63	7200	539	417	2430	776	2310	135	64	84	38
6	36	47	3610	569	325	2420	614	1290	128	57	138	34
7	35	42	1330	521	312	987	510	2760	139	327	59	32
8	34	41	927	468	303	671	485	24200	126	1060	50	29
9	35	41	768	447	300	515	799	7950	108	159	50	29
10	35	38	880	2270	687	478	535	1870	98	94	112	69
11	33	38	2430	1380	664	491	441	1040	92	75	62	419
12	55	36	1160	651	1150	487	375	832	87	132	54	65
13	157	33	686	576	3900	1030	331	723	82	543	47	43
14	86	41	5170	500	1030	693	283	641	214	96	43	37
15	52	823	1570	465	669	526	244	533	585	69	57	33
16	44	192	703	478	623	476	255	476	125	139	51	30
17	42	80	582	432	569	1710	256	433	92	180	122	28
18	63	61	537	450	475	1780	222	403	78	209	54	28
19	85	79	463	428	443	828	487	369	71	85	43	28
20	52	5500	401	405	383	977	436	346	65	60	41	28
21	44	940	703	387	359	663	1150	369	204	52	39	28
22	245	355	3400	370	339	503	16800	376	682	48	54	27
23	242	19500	878	355	316	423	5630	348	167	44	125	27
24	89	16900	524	1300	298	444	1240	338	197	42	43	27
25	65	2750	439	3250	277	604	681	280	94	43	34	27
26	52	822	474	1500	261	415	545	246	71	43	32	26
27	48	1360	455	930	3460	1150	591	284	67	573	32	26
28	44	1850	7830	660	1170	12400	5100	426	64	246	31	27
29	44	574	2600	553	644	3270	3070	279	107	71	169	27
30	42	388	862	489	---	994	1120	225	116	51	56	26
31	41	---	662	408	---	712	---	202	---	50	40	---
TOTAL	1984	52765	125238	23089	21168	39885	51407	88817	4657	4909	2014	1417
MEAN	64.0	1759	4040	745	730	1287	1714	2865	155	158	65.0	47.2
MAX	245	19500	44100	3250	3900	12400	16800	24200	682	1060	169	419
MIN	33	33	296	355	261	392	222	202	64	42	31	26
CFSM	.12	3.34	7.68	1.42	1.39	2.45	3.26	5.45	.30	.30	.12	.09
IN.	.14	3.73	8.86	1.63	1.50	2.82	3.64	6.28	.33	.35	.14	.10

CAL YR 1983 TOTAL 622372 MEAN 1705 MAX 53300 MIN 29 CFSM 3.24 IN 44.02
WTR YR 1984 TOTAL 417350 MEAN 1140 MAX 44100 MIN 26 CFSM 2.17 IN 29.52

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi downstream from Burney Branch, 6 mi south of Oxford, and at mile 42.3.

DRAINAGE AREA.--262 mi^2.

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 267.20 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

REMARKS.--Records are poor.

AVERAGE DISCHARGE.--38 years, 400 ft^3/s, 20.73 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft^3/s Mar. 21, 1955, gage height, 28.72 ft, present datum, from rating curve extended above 22,000 ft^3/s; minimum, 4.4 ft^3/s Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 4	0145	*20100	27.54	May 8	0600	13700	26.97

Minimum discharge, 20 ft^3/s Sept. 29, 30.

EXTREMES FOR WATER YEAR 1978.--Maximum discharge, 9,710 ft^3/s May 8, gage height, 26.33 ft only peak above base of 8,000 ft^3/s; minimum daily, 16 ft^3/s Sept. 21-26.

REVISIONS.--Revised figures of discharge for the water year 1978, superseding those published in the report for 1978 are given herein.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	66	5410	178	293	364	109	1160	106	37	18	24
2	901	61	2680	165	273	481	96	781	105	35	17	23
3	215	121	1640	126	240	1050	88	1200	108	33	17	21
4	86	127	1210	120	210	660	86	1830	93	32	28	21
5	58	320	959	117	189	397	87	1160	82	31	24	21
6	42	270	718	259	164	278	80	943	83	29	21	19
7	36	247	490	259	152	255	81	5410	1870	48	21	18
8	456	183	334	1340	145	248	76	7880	5910	63	24	18
9	354	147	531	1220	140	334	78	4900	2610	35	28	17
10	158	120	387	583	135	827	86	2220	1310	30	21	18
11	84	99	279	375	131	607	590	1420	900	28	102	18
12	62	86	233	307	127	655	328	1470	684	27	67	21
13	55	79	323	259	175	640	202	2330	501	27	38	24
14	51	75	684	216	174	4290	143	1550	281	27	42	22
15	44	73	535	185	144	2860	121	1070	195	26	37	21
16	41	870	367	490	131	1610	106	745	154	26	29	20
17	37	1260	566	2370	123	998	130	474	125	26	25	22
18	34	704	615	1430	121	694	236	332	104	24	23	19
19	32	610	440	1090	111	459	132	326	130	23	22	18
20	30	366	291	697	105	325	100	268	122	30	22	17
21	28	3410	219	425	122	273	88	303	95	28	22	16
22	27	3020	181	354	105	236	80	1150	81	25	20	16
23	26	1720	162	321	107	202	89	314	73	22	19	16
24	141	1110	157	1480	102	185	87	231	64	21	19	16
25	943	771	175	2320	96	210	89	174	63	20	18	16
26	368	478	181	2390	91	177	83	147	59	19	18	16
27	159	352	144	1530	86	155	73	126	48	30	17	17
28	102	402	118	1030	335	141	60	114	45	37	18	17
29	85	4630	133	660	---	132	54	113	43	23	26	17
30	73	6580	175	413	---	126	72	156	39	19	29	17
31	71	---	206	326	---	117	---	140	---	18	27	---
TOTAL	5021	28357	20543	23035	4327	19986	3730	40437	16083	899	859	566
MEAN	162	945	663	743	155	645	124	1304	536	29.0	27.7	18.9
MAX	943	6580	5410	2390	335	4290	590	7880	5910	63	102	24
MIN	26	61	118	117	86	117	54	113	39	18	17	16
CFSM	.62	3.61	2.53	2.84	.59	2.46	.47	4.98	2.05	.11	.11	.07
IN.	.71	4.03	2.92	3.27	.61	2.84	.53	5.74	2.28	.13	.12	.08

CAL YR 1977 TOTAL 140027 MEAN 384 MAX 8020 MIN 15 CFSM 1.47 IN 19.88
WTR YR 1978 TOTAL 163843 MEAN 449 MAX 7880 MIN 16 CFSM 1.71 IN 23.26

07274000 YOCONA RIVER NEAR OXFORD, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	35	245	445	214	267	307	382	85	42	100	25
2	29	33	665	355	197	216	383	1960	80	39	70	24
3	30	33	11600	332	243	191	2140	4760	75	39	45	24
4	36	45	14600	301	227	196.	1480	3000	70	39	42	31
5	27	44	3970	280	196	2050	1010	1780	67	38	57	26
6	25	40	2530	276	164	1780	576	1180	67	39	117	25
7	24	38	1700	257	148	1320	345	2250	69	37	59	24
8	24	37	1340	225	146	796	312	11400	68	40	32	24
9	24	36	1160	206	144	460	338	4200	66	41	25	24
10	24	36	1120	521	276	329	283	1770	66	38	100	185
11	24	37	1310	770	316	297	241	1130	63	39	66	96
12	39	36	1130	684	1070	291	213	881	52	36	37	52
13	41	36	1040	506	1770	381	191	713	49	36	34	38
14	36	41	1840	317	1140	315	165	542	47	39	30	31
15	32	222	1190	266	805	260	148	352	46	51	28	27
16	30	119	963	257	505	450	148	262	44	109	32	25
17	30	68	665	232	379	1720	156	210	43	135	27	23
18	70	54	424	245	312	1230	144	176	43	92	27	23
19	56	97	327	235	265	980	672	156	43	47	26	22
20	42	1070	276	188	226	723	542	146	41	39	25	22
21	36	454	351	157	197	435	1060	154	40	33	25	21
22	270	303	1230	150	178	312	5720	152	48	29	26	21
23	194	5770	790	518	165	253	3320	133	45	26	47	21
24	84	3550	661	1920	155	225	1620	113	49	23	33	23
25	57	1820	326	1300	140	213	1100	102	44	24	27	21
26	48	1040	250	999	187	206	881	99	41	25	26	21
27	43	1040	263	658	999	458	792	226	40	147	26	21
28	42	827	2240	425	660	2160	747	378	40	220	26	21
29	39	528	1150	334	466	1180	644	121	40	56	25	20
30	42	330	864	285	---	862	508	99	45	29	25	20
31	38	---	719	236	---	469	---	89	---	52	25	---
TOTAL	1566	17819	58939	13880	11890	21025	26186	38916	1616	1679	1290	981
MEAN	50.5	594	1837	448	410	678	873	1255	53.9	54.2	41.6	32.7
MAX	270	5770	14600	1920	1770	2160	5720	11400	85	220	117	185
MIN	24	33	245	150	140	191	144	89	40	23	25	20
CFSM	.19	2.27	7.01	1.71	1.57	2.59	3.33	4.79	.21	.21	.16	.13
IN.	.22	2.53	8.08	1.97	1.69	2.99	3.72	5.53	.23	.24	.18	.14

CAL YR 1983 TOTAL 271126 MEAN 743 MAX 14600 MIN 23 CFSM 2.84 IN 38.50
WTR YR 1984 TOTAL 193787 MEAN 529 MAX 14600 MIN 20 CFSM 2.02 IN 27.51

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

LOCATION.--Lat 33°59'40", long 89°57'10", in NE¼ sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, near right bank on downstream side of bridge on county road, 3.3 mi west of Tillatoba, and 4.6 mi southwest of Oakland.

DRAINAGE AREA.--37.1 mi2.

PERIOD OF RECORD.--September 1974 to May 7, 1984 (destroyed by flood).

GAGE.--Water-stage recorder. Altitude of gage is 220 ft from topographic map.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--9 years, 60.6 ft3/s, 22.18 in/yr (water years 1975-1983).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,200 ft3/s May 7, 1984, gage height, 16.2 ft, from floodmark, from rating curve extended above 7,690 ft3/s on basis of contracted-opening measurement at gage height 15.12 ft; maximum gage height, 17.72 ft Mar. 29, 1975; minimum daily, 0.08 ft3/s Sept. 24, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Nov. 23	1100	2740	10.06	Apr. 21	2230	6150	13.74
Dec. 3	1315	7200	14.63	May 7	1945	*9200	16.20

Minimum daily discharge, 1.1 ft3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	2.9	31	18	27	41	27	42				
2	1.4	2.8	228	17	27	38	124	414				
3	1.3	2.8	4330	16	26	43	372	635				
4	1.2	8.4	509	15	34	80	84	136				
5	1.3	8.5	193	35	31	720	57	92				
6	1.2	6.3	305	36	28	253	46	78				
7	1.2	6.5	90	33	26	93	37	1460				
8	1.2	6.5	67	32	25	69	50	---				
9	1.1	5.5	53	30	25	56	63	---				
10	1.2	5.4	42	70	121	51	39	---				
11	1.2	5.1	63	56	65	50	34	---				
12	1.7	4.3	37	38	777	49	30	---				
13	1.6	4.2	35	34	216	48	28	---				
14	1.5	52	136	31	95	40	25	---				
15	1.4	179	39	29	70	31	23	---				
16	1.7	27	27	31	75	102	24	---				
17	4.5	16	26	29	54	251	23	---				
18	20	12	26	31	46	84	21	---				
19	5.4	40	26	30	42	60	115	---				
20	3.4	190	27	28	40	52	50	---				
21	3.1	31	181	28	37	41	813	---				
22	28	25	237	29	35	33	1680	---				
23	11	1330	57	26	34	30	154	---				
24	7.3	170	43	273	33	29	108	---				
25	5.4	84	38	96	39	27	87	---				
26	4.5	66	34	61	49	25	76	---				
27	4.0	227	29	49	116	28	73	---				
28	3.8	110	26	40	47	99	65	---				
29	3.5	63	23	36	43	46	58	---				
30	3.3	45	21	33	---	32	52	---				
31	3.1	---	20	29	---	31	---	---				
TOTAL	131.8	2736.2	6999	1339	2283	2632	4438	---				
MEAN	4.25	91.2	226	43.2	78.7	84.9	148	---				
MAX	28	1330	4330	273	777	720	1680	---				
MIN	1.1	2.8	20	15	25	25	21	---				
CFSM	.12	2.46	6.09	1.16	2.12	2.29	3.99	---				
IN.	.13	2.74	7.02	1.34	2.29	2.64	4.45	---				

CAL YR 1983 TOTAL 30255.3 MEAN 82.9 MAX 4330 MIN 1.1 CFSM 2.24 IN 30.34

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft downstream from left end of bridge on county road, 1.9 mi south of intersection of county road and Mississippi Highway 32, 4.8 mi west of Tillatoba and 4.8 mi east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi2.

PERIOD OF RECORD.--July 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 189.37 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. No gage-height record March 16 to April 25.

AVERAGE DISCHARGE.--9 years, 93.2 ft3/s 23.48 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft3/s Dec. 26, 1982, gage height, 23.96 ft; minimum daily, 1.4 ft3/s Sept. 25, 26, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft3/s and maximum(*).

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Nov. 14	2145	1210	7.76	Dec. 28	0230	1910	9.62
Nov. 23	1330	4010	14.88	Feb. 12	1545	2980	12.22
Dec. 3	1400	*9440	22.32	Mar. 5	0700	2130	10.16
Dec. 5	2200	1410	8.32	May 2	2330	1820	9.40
Dec. 22	0230	1360	8.18	May 8	0145	6870	20.18

Minimum daily discharge, 3.4 ft3/s Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	16	51	64	34	38	71	33	24	9.9	15	3.9
2	7.6	16	743	52	29	36	170	320	24	8.1	17	3.8
3	7.3	16	6200	51	46	34	500	1030	22	7.2	264	4.2
4	7.2	45	1240	49	38	110	220	180	22	6.7	135	4.0
5	7.3	60	531	53	29	1280	110	107	21	6.3	39	3.8
6	6.8	47	702	65	25	428	74	77	21	6.2	12	3.6
7	7.2	36	295	49	27	149	140	1020	22	6.9	9.8	3.4
8	6.8	30	224	40	23	99	240	2670	21	7.9	8.2	3.6
9	6.6	26	162	37	26	65	150	299	19	6.4	7.5	3.7
10	7.1	24	133	169	438	55	90	194	15	5.6	7.3	3.9
11	6.9	22	224	117	157	49	72	150	13	5.8	7.4	4.3
12	10	21	131	76	1360	50	60	123	12	4.9	7.4	3.9
13	8.9	20	125	68	472	48	49	95	11	36	62	3.9
14	8.1	64	447	55	162	41	44	69	10	19	14	4.0
15	7.8	515	149	51	98	38	40	52	9.2	6.8	6.6	3.9
16	11	93	105	51	98	34	38	44	8.6	5.9	6.3	3.7
17	35	52	93	48	62	43	37	40	8.5	6.9	5.7	3.9
18	120	38	86	55	47	42	30	38	8.2	7.9	5.0	3.9
19	30	124	75	47	41	100	500	35	7.1	6.1	5.6	3.9
20	18	478	68	39	34	450	400	51	7.0	5.0	5.3	4.0
21	16	98	326	43	31	320	270	60	7.7	4.7	5.7	4.0
22	125	105	664	41	29	100	210	56	9.8	4.5	5.6	4.2
23	46	2780	153	346	27	52	150	33	9.9	5.6	5.6	4.2
24	29	468	94	452	26	49	115	30	11	8.1	4.8	4.4
25	25	240	80	168	24	37	94	27	8.5	7.1	4.5	4.6
26	23	192	84	107	41	32	72	26	8.1	5.5	4.4	4.0
27	20	452	106	74	193	29	68	25	8.4	30	4.2	4.0
28	18	228	933	59	60	450	47	22	8.3	16	4.2	4.3
29	18	102	163	53	44	210	41	22	14	14	4.1	4.0
30	17	74	110	52	---	130	41	22	20	14	4.2	4.1
31	16	---	79	37	---	85	---	22	---	14	4.1	---
TOTAL	680.4	6482	14576	2668	3721	4683	4143	6972	411.3	299.0	691.5	119.1
MEAN	21.9	216	470	86.1	128	151	138	225	13.7	9.65	22.3	3.97
MAX	125	2780	6200	452	1360	1280	500	2670	24	36	264	4.6
MIN	6.6	16	51	37	23	29	30	22	7.0	4.5	4.1	3.4
CFSM	.41	4.01	8.72	1.60	2.38	2.80	2.56	4.17	.25	.18	.41	.07
IN.	.47	4.47	10.06	1.84	2.57	3.23	2.86	4.81	.28	.21	.48	.08

CAL YR 1983 TOTAL 57584.9 MEAN 158 MAX 6200 MIN 3.6 CFSM 2.93 IN 39.74
WTR YR 1984 TOTAL 45446.3 MEAN 124 MAX 6200 MIN 3.4 CFSM 2.30 IN 31.36

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mi upstream from Topashaw Creek, 1.2 mi south of Calhoun City, 1.5 mi upstream from old channel, and 4.8 mi upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi^2, combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P).

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream at same datum. Water-stage recorder on Topashaw Creek Canal, 2.5 mi southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Records poor. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

AVERAGE DISCHARGE.--34 years, 426 ft^3/s, 18.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,100 ft^3/s Dec. 26, 1982, gage height, 25.75 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 3	1300	*47800	24.99	May 3	0515	11400	20.18
Dec. 28	0545	11900	20.45	May 8	0300	14900	21.06
Apr. 3	0315	20300	21.24				

Minimum daily discharge, 1.8 ft^3/s Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	12	80	782	210	404	175	264	38	31	43	7.5
2	13	12	5850	461	208	289	2840	730	36	20	24	6.2
3	10	13	52400	356	231	230	16900	9560	34	24	21	5.9
4	8.2	14	22500	304	205	318	2300	2130	34	18	17	12
5	6.6	18	4140	273	141	11000	995	969	29	15	78	9.1
6	5.4	16	8050	296	84	2340	500	349	25	13	102	6.7
7	4.4	14	2270	247	101	1280	294	814	31	13	41	5.3
8	3.5	14	1180	181	119	808	234	12600	27	12	23	4.8
9	3.0	14	743	158	119	528	223	2230	23	14	16	5.8
10	2.6	14	579	4490	1330	379	188	886	22	14	13	24
11	2.4	13	1400	2130	1430	332	168	314	23	13	11	17
12	122	11	1250	1180	2010	305	164	194	20	9.6	9.9	8.3
13	113	12	788	723	2550	336	135	149	19	12	8.5	6.4
14	20	13	2620	451	1210	269	119	124	17	13	9.5	5.3
15	9.6	45	1330	337	705	228	105	107	133	8.8	8.5	4.3
16	8.6	38	740	370	823	207	111	92	47	12	8.3	4.3
17	8.0	21	483	312	742	2550	104	84	24	15	9.6	4.2
18	9.2	16	350	1850	441	1450	96	79	19	31	7.4	3.3
19	9.1	35	262	1250	306	850	382	75	19	15	6.3	2.9
20	9.1	1060	213	660	224	861	1030	69	19	8.5	5.9	2.6
21	8.4	262	509	565	187	627	445	67	17	6.5	5.2	2.4
22	234	66	6540	554	165	329	3240	70	26	5.2	6.0	2.2
23	156	5030	1870	958	148	222	1280	72	25	4.2	92	2.4
24	38	1370	1080	3920	142	248	457	85	54	4.2	23	2.2
25	23	581	780	1620	121	430	223	61	35	4.8	11	3.5
26	18	141	734	984	139	245	171	51	18	5.3	7.8	2.9
27	15	589	780	701	2730	216	652	104	16	6.6	6.1	2.5
28	13	904	8700	485	1310	2200	1160	58	15	7.1	7.5	2.3
29	12	272	2300	375	736	1170	1350	48	29	6.7	67	2.5
30	12	109	1930	287	---	450	852	41	59	51	20	2.7
31	12	---	1460	239	---	219	---	38	---	204	10	---
TOTAL	925.1	10729	133911	27499	18867	31320	36893	32514	933	617.5	718.5	171.5
MEAN	29.8	358	4320	887	651	1010	1230	1049	31.1	19.9	23.2	5.72
MAX	234	5030	52400	4490	2730	11000	16900	12600	133	204	102	24
MIN	2.4	11	80	158	84	207	96	38	15	4.2	5.2	2.2
CFSM	.10	1.17	14.2	2.91	2.13	3.31	4.03	3.44	.10	.07	.08	.02
IN.	.11	1.31	16.33	3.35	2.30	3.82	4.50	3.97	.11	.08	.09	.02

CAL YR 1983 TOTAL 378331.5 MEAN 1037 MAX 52400 MIN 2.4 CFSM 3.40 IN 46.14
WTR YR 1984 TOTAL 295098.6 MEAN 806 MAX 52400 MIN 2.2 CFSM 2.64 IN 35.99

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left (revised) bank on downstream side of bridge on State Highway 9, 1 mi south of Bruce.

DRAINAGE AREA.--254 mi2.

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft higher. October 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Records good, except those for the period of missing record, April 24 to June 6, which was fair.

AVERAGE DISCHARGE.--37 years, 376 ft3/s, 20.10 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft3/s Mar. 21, 1955, gage height, 34.11 ft present datum, from rating curve extended above 19,000 ft3/s on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft^3/s Aug. 18, 1954.

EXTREMES FOR CURRENT YEAR.-- Peak discharges above base of 5,000 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 23	1600	13000	19.74	Dec. 28	0730	10300	18.33
Dec. 3	1745	*39400	29.83	Mar. 28	1015	5130	14.77
Dec. 14	0815	6960	16.17	Apr. 3	0915	9210	17.70
Dec. 22	0600	10300	18.31	Apr. 22	0745	16600	21.56

Minimum daily discharge, 5.5 ft3/s Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	11	79	150	89	113	89	154	28	9.6	64	9.3
2	9.8	12	460	148	85	95	246	5440	23	8.7	65	7.7
3	9.6	12	31800	150	98	82	3760	6770	20	8.0	29	8.3
4	9.6	18	13100	151	107	83	616	942	19	18	27	8.3
5	9.3	23	787	148	91	2020	264	332	18	12	45	7.1
6	8.3	16	2570	176	72	1440	180	230	18	8.7	106	7.1
7	8.3	14	482	163	65	390	141	5250	18	7.7	31	6.8
8	7.9	16	264	123	64	203	127	17300	18	7.0	19	6.5
9	7.9	16	196	105	65	133	135	973	17	6.9	14	6.6
10	7.9	15	175	1260	861	116	121	317	14	6.2	100	173
11	7.9	13	1090	1090	530	141	104	196	13	7.2	32	105
12	19	13	517	297	893	133	94	142	13	7.6	19	29
13	30	12	238	207	1510	162	84	113	12	25	14	19
14	20	35	3870	156	362	121	75	94	13	24	11	13
15	13	1950	594	131	191	100	68	74	13	11	12	9.9
16	11	163	245	129	241	143	67	57	12	137	12	8.1
17	13	64	177	120	192	2600	71	52	13	164	14	7.6
18	21	43	153	381	131	742	66	51	11	35	11	7.3
19	26	42	127	220	111	250	509	48	9.8	18	9.7	7.2
20	19	1500	104	117	90	274	376	46	8.9	12	9.4	6.7
21	13	171	240	90	79	166	187	46	7.9	9.4	8.8	6.4
22	93	67	6100	73	71	104	8370	45	157	8.0	9.3	6.4
23	67	7320	721	458	66	80	713	45	58	7.0	9.9	6.4
24	27	2040	252	1690	62	98	262	43	72	6.5	9.3	6.6
25	19	282	177	734	57	237	163	35	31	6.1	7.7	6.7
26	15	154	144	315	61	106	146	37	16	5.8	7.4	6.2
27	14	458	154	221	1780	90	176	47	13	57	7.3	5.5
28	13	921	5620	165	357	2260	1590	56	11	63	9.3	6.2
29	12	192	878	139	163	398	502	56	10	24	41	6.7
30	12	106	285	119	---	159	229	41	11	13	17	6.4
31	11	---	207	97	---	109	---	33	---	89	12	---
TOTAL	564.3	15699	71806	9523	8544	13148	19531	39065	698.6	822.4	783.1	517.0
MEAN	18.2	523	2316	307	295	424	651	1260	23.3	26.5	25.3	17.2
MAX	93	7320	31800	1690	1780	2600	8370	17300	157	164	106	173
MIN	7.9	11	79	73	57	80	66	33	7.9	5.8	7.3	5.5
CFSM	.07	2.06	9.12	1.21	1.16	1.67	2.56	4.96	.09	.10	.10	.07
IN.	.08	2.30	10.52	1.39	1.25	1.93	2.86	5.72	.10	.12	.11	.08

CAL YR 1983 TOTAL 255037.3 MEAN 699 MAX 31800 MIN 7.2 CFSM 2.75 IN 37.35
WTR YR 1984 TOTAL 180701.4 MEAN 494 MAX 31800 MIN 5.5 CFSM 1.95 IN 26.46

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS
(National stream-quality accounting network station)

LOCATION.--Lat 33 23 48 , long 90 16 19 , in NW sec. 26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Phillipstown, 1.8 mi east of Shell Bluff, 2.5 mi east of intersection of county road and State Highway 7, 4.8 mi east of Morgan City, and at mile 149.8.

DRAINAGE AREA.--7,650 mi2, approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1975 to August 1981.
WATER TEMPERATURE: October 1975 to August 1981.

REMARKS.--Prior to July 27, 1979, daily values of specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. After July 27, 1979, and prior to June 5, 1980, daily values of specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Stage-discharge relation based on intermittent discharge measurements furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV												
21...	1100	13600	70	8.1	17.0	100	7.8	81	--	>2000	21	0
FEB												
22...	1100	25000	45	6.2	12.0	140	9.5	88	K150	620	17	3
MAY												
31...	1200	13300	64	6.6	22.0	180	7.9	90	K150	K50	21	2
AUG												
17...	0930	8200	80	6.9	27.5	9.0	6.3	80	720	K93	32	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV												
21...	5.3	1.8	3.6	25	.4	2.2	22	7.8	3.8	.20	4.9	44
FEB												
22...	4.2	1.5	2.8	24	.3	1.9	14	6.7	2.9	<.10	6.1	35
MAY												
31...	5.3	1.9	2.9	21	.3	2.1	19	5.7	2.7	.20	5.7	51
AUG												
17...	8.3	2.6	3.9	20	.3	2.0	32	7.2	3.2	.10	6.2	50

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV											
21...	43	.06	1620	<.10	.320	1.8	.130	.040	--	198	100
FEB											
22...	35	.05	2360	.24	.060	--	--	.020	.020	172	82
MAY											
31...	38	.07	1830	.46	.130	1.9	.290	.030	.030	145	95
AUG											
17...	53	.07	1110	.24	.020	.90	.170	.030	.040	394	86

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV 21...	20	1	29	<.5	<1	<1	<3	5	49	1
FEB 22...	100	1	29	<.5	<1	<1	<3	3	150	2
MAY 31...	<10	1	33	1.0	<1	<1	<3	2	40	1
AUG 17...	40	1	34	<.0	1	<1	<3	4	65	2

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV 21...	<4	5	<.3	<10	18	<1	<1	45	<6	5
FEB 22...	<4	22	.2	<10	3	<1	<1	31	<6	10
MAY 31...	5	11	<.1	<10	<1	<1	2	38	<6	8
AUG 17...	<4	10	.3	<10	5	<1	<1	58	<6	4

07288800 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32 29 14 , long 90 49 02 , on line between secs.1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.6 mi downstream from U.S. Highway 61, 1.0 mi northwest of Redwood, and at mile 16.7.

DRAINAGE AREA.--12,603 mi2.

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1978 to September 1981.
WATER TEMPERATURE: October 1978 to September 1981.

REMARKS.--Prior to October 2, 1980, daily values of specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV 16...	1300	13200	78	6.9	15.0	50	--	--	160	K42	25	0
JAN 17...	1500	30700	57	6.8	4.0	100	11.2	85	370	250	18	1
MAR 19...	1230	28900	76	7.1	16.0	120	8.0	82	1100	780	26	4
MAY 22...	1200	15600	70	6.7	24.5	280	6.3	76	1500	190	21	0
JUL 18...	1130	15500	107	7.5	28.0	230	5.4	69	K1400	2700	41	2
SEP 26...	1330	--	140	7.7	24.5	65	7.1	85	700	1700	55	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV 16...	6.2	2.2	4.5	27	.4	1.8	27	7.5	4.9	.20	4.5	49
JAN 17...	4.6	1.6	2.9	23	.3	2.1	17	7.0	3.4	<.10	5.5	43
MAR 19...	6.4	2.3	3.8	23	.3	1.8	22	8.5	3.6	<.10	6.3	54
MAY 22...	5.4	1.9	3.7	25	.4	2.3	22	5.7	2.8	.10	5.5	59
JUL 18...	11	3.2	4.4	18	.3	2.0	39	10	4.6	.10	6.2	77
SEP 26...	14	4.9	7.3	22	.4	2.2	56	9.1	5.3	.20	8.0	85

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 16...	48	.07	1750	<.10	.130	2.9	.130	.030	.020	162	96
JAN 17...	38	.06	3560	.20	.100	1.7	.280	.050	.040	124	98
MAR 19...	46	.07	4210	.29	<.010	.60	.170	<.020	.010	128	94
MAY 22...	41	.08	2490	.60	.350	1.8	.400	.040	.040	230	98
JUL 18...	66	.10	3220	.54	.050	1.0	.470	.050	.050	361	97
SEP 26...	85	.12	--	.22	<.010	.60	.150	.060	.040	92	97

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
JAN 17...	70	1	32	<.5	<1	<1	<3	3	120	2
MAR 19...	20	1	35	<.5	<1	<1	<3	<1	95	<1
JUL 18...	80	3	56	<.0	2	<1	<3	2	130	2
SEP 26...	50	1	53	<.0	1	<1	<3	4	76	1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
JAN 17...	6	38	.4	<10	4	<1	<1	30	<6	7
MAR 19...	<4	11	<.1	<10	2	<1	<1	42	<6	6
JUL 18...	<4	93	.3	<10	2	<1	1	56	<6	13
SEP 26...	<4	32	.3	<10	2	<1	<1	85	<6	10

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, on left bank at downstream side of Interstate 20 bridge, and at mile 435.3 (corrected).

DRAINAGE AREA.--1,140,500 mi^2, approximately. The 4,000 mi^2, approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1982. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1977 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; January 1968 to December 1976, referred to gage 1.1 mi upstream and since January 1977 referred to gage at mile 435.3 (corrected), in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder operated by the Corps of Engineers. Datum of gage is 46.22 ft National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark) or 46.16 ft above mean gulf level. The U.S. Geological Survey operated a water-stage recorder over the cavity in the fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi downstream from Yazoo diversion canal, and at mile 435.7 (corrected); operated until January, 1977. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft upstream from mouth. Gages used by National Weather Service; May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mi upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968, to Dec. 31, 1976, on left bank at site 1.1 mi upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge.

All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Records of gage-height and daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--55 years, 579,000 ft^3/s, 419,364,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft^3/s Feb. 17, 1937; maximum gage height, 53.2 ft Feb. 21, 1937; minimum discharge, 99,400 ft^3/s Nov. 1, 1939; minimum gage height, -7.02 ft Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft May 4, 1927 (Geological Survey gage).

EXTREMES FOR WATER YEAR 1983.--Maximum daily discharge, 1,789,000 ft^3/s May 27; maximum gage height, 49.30 ft May 27, 28; minimum daily discharge, 211,000 ft^3/s Sept. 22; minimum gage height, 5.70 ft Sept. 24, 25.

NOTE.--Records for 1984 water year will be published in a subsequent report.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	373000	296000	600000	1280000	668000	721000	791000	1500000	1760000	678000	452000	279000
2	364000	290000	632000	1300000	675000	718000	821000	1500000	1750000	660000	460000	282000
3	338000	280000	666000	1320000	680000	711000	860000	1500000	1750000	636000	458000	282000
4	311000	274000	710000	1340000	686000	706000	883000	1500000	1740000	615000	438000	282000
5	304000	270000	800000	1360000	696000	710000	892000	1490000	1720000	596000	402000	281000
6	308000	269000	911000	1380000	710000	721000	905000	1490000	1690000	586000	390000	280000
7	317000	280000	990000	1390000	732000	728000	919000	1490000	1680000	598000	370000	276000
8	325000	321000	1060000	1400000	748000	730000	938000	1490000	1650000	621000	359000	270000
9	321000	310000	1110000	1400000	760000	731000	970000	1500000	1630000	639000	342000	265000
10	317000	323000	1150000	1400000	780000	732000	1030000	1510000	1610000	639000	339000	254000
11	310000	335000	1180000	1390000	815000	735000	1090000	1520000	1560000	628000	340000	241000
12	356000	344000	1210000	1350000	840000	745000	1110000	1530000	1500000	621000	340000	233000
13	311000	349000	1230000	1310000	864000	780000	1130000	1540000	1440000	615000	337000	229000
14	320000	350000	1280000	1240000	868000	813000	1150000	1550000	1400000	609000	330000	232000
15	327000	330000	1340000	1200000	865000	828000	1170000	1560000	1330000	599000	327000	242000
16	327000	349000	1370000	1120000	849000	829000	1200000	1590000	1240000	586000	319000	252000
17	325000	341000	1390000	1040000	820000	825000	1230000	1630000	1160000	569000	314000	255000
18	322000	332000	1400000	1010000	801000	807000	1260000	1680000	1100000	550000	310000	249000
19	326000	330000	1400000	955000	792000	789000	1290000	1690000	1030000	530000	308000	233000
20	333000	332000	1390000	889000	788000	770000	1320000	1710000	928000	506000	299000	221000
21	339000	3[illegible]0000	1380000	845000	782000	149000	1340000	1710000	870000	492000	290000	214000
22	342000	378000	1350000	796000	775000	736000	1380000	1720000	820000	479000	285000	211000
23	340000	398000	1320000	750000	767000	720000	1400000	1730000	780000	469000	281000	213000
24	339000	419000	1290000	704000	740000	706000	1430000	1740000	753000	460000	280000	212000
25	338000	450000	1210000	675000	724000	692000	1450000	1760000	742000	455000	280000	219000
26	330000	477000	1190000	649000	723000	685000	1470000	1790000	756000	447000	279000	225000
27	321000	500000	1190000	631000	724000	688000	1480000	1790000	729000	440000	275000	229000
28	312000	528000	1200000	625000	725000	696000	1500000	1790000	719000	435000	270000	231000
29	307000	556000	1220000	622000	---	704000	1500000	1780000	708000	432000	263000	236000
30	300000	579000	1240000	630000	---	718000	1500000	1770000	693000	429000	261000	240000
31	299000	---	1260000	657000	---	735000	---	1770000	---	438000	269000	---
TOTAL	10102000	10940000	35669000	32658000	21397000	22358000	35409000	50320000	37238000	17057000	10267000	7368000
MEAN	325900	364700	1151000	1053000	764200	721200	1180000	1623000	1241000	550200	331200	245600
MAX	373000	579000	1400000	1400000	868000	829000	1500000	1790000	1760000	678000	460000	282000
MIN	299000	269000	600000	622000	668000	149000	791000	1490000	693000	429000	261000	211000
AC-FT	20040000	21700000	70750000	64780000	42440000	44350000	70230000	99810000	73860000	33830000	20360000	14610000

CAL YR 1982 TOTAL 254243000 MEAN 696600 MAX 1820000 MIN 269000 AC-FT 504300000
WTR YR 1983 TOTAL 290783000 MEAN 796700 MAX 1790000 MIN 149000 AC-FT 575800000

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.30	8.10	20.90	39.50	24.00	25.90	26.60	43.10	49.10	26.30	17.50	9.50
2	10.50	8.00	21.80	40.00	24.40	25.80	26.90	43.10	48.90	25.50	17.50	9.40
3	9.90	8.00	22.50	40.30	24.40	25.50	27.10	43.00	48.80	24.70	17.10	9.20
4	9.40	8.00	24.40	40.60	24.60	25.20	27.40	43.00	48.70	24.00	16.60	9.20
5	8.90	7.90	26.40	41.00	24.80	25.50	27.70	43.00	48.60	23.10	15.80	9.30
6	8.50	7.80	28.80	41.50	25.60	25.80	28.80	43.00	48.50	22.60	15.10	9.30
7	8.40	7.90	30.70	41.50	26.00	26.10	30.50	43.00	48.30	22.70	14.40	9.20
8	9.00	8.10	32.40	41.70	25.90	26.20	31.80	43.10	47.90	23.10	13.70	9.20
9	9.40	8.40	33.70	41.80	26.30	26.20	32.90	43.10	47.60	23.80	13.10	9.10
10	9.40	9.00	34.60	41.80	27.50	26.30	33.70	43.30	47.10	24.00	12.70	8.70
11	9.40	9.90	35.50	41.80	28.10	26.40	34.60	43.60	46.60	24.00	12.80	8.00
12	9.00	10.60	36.20	41.40	29.00	26.70	35.40	43.70	46.10	23.80	12.70	7.70
13	9.10	10.90	36.90	40.80	29.60	27.30	36.10	44.10	45.40	23.60	12.90	7.50
14	9.20	11.10	37.40	40.10	30.00	27.90	37.30	44.30	44.70	23.10	12.50	7.70
15	9.20	11.20	38.10	39.10	30.00	28.30	37.90	44.60	44.00	22.70	12.30	7.70
16	9.10	10.80	38.60	38.10	29.80	28.60	38.60	45.20	43.00	22.20	12.00	7.70
17	9.00	10.20	39.20	36.80	29.40	28.60	39.20	45.50	41.80	22.00	11.50	7.30
18	9.10	9.80	39.40	35.40	28.90	28.40	39.80	45.80	40.30	21.60	11.10	6.90
19	9.40	9.50	39.70	33.90	28.30	28.20	40.30	46.50	38.60	20.90	11.00	6.70
20	9.90	9.60	39.70	32.40	27.90	27.70	40.90	47.20	36.70	20.20	10.80	6.90
21	10.30	10.00	39.50	30.60	27.50	27.20	41.20	47.60	34.70	19.70	10.40	6.90
22	10.10	10.80	39.30	29.60	27.20	26.30	41.60	48.20	32.80	19.10	10.20	6.40
23	10.10	12.20	39.00	28.10	26.80	25.50	42.10	48.50	31.20	18.60	10.20	6.00
24	10.00	13.40	38.60	26.60	26.30	25.00	42.30	48.80	29.90	18.10	10.00	5.70
25	9.90	14.40	38.40	25.40	26.20	24.40	42.40	49.00	29.10	17.70	9.70	5.70
26	9.70	15.20	38.40	24.30	26.20	24.00	42.60	49.20	28.50	17.40	9.50	5.80
27	9.30	15.80	38.60	23.40	26.20	24.50	42.80	49.30	28.10	17.20	9.40	5.90
28	8.90	16.90	38.90	22.80	26.10	25.00	43.00	49.30	27.80	17.10	9.50	6.00
29	8.70	18.00	39.10	22.60	---	25.60	43.10	49.20	27.50	17.00	9.40	6.10
30	8.40	19.30	39.20	23.10	---	26.20	43.10	49.10	27.00	17.10	9.20	6.20
31	8.30	---	39.30	23.40	---	26.40	---	49.10	---	17.20	9.40	---
TOTAL	290.80	330.80	1085.20	1069.40	757.00	816.70	1097.70	1418.50	1207.30	660.10	380.00	226.90
MEAN	9.38	11.03	35.01	34.50	27.04	26.35	36.59	45.76	40.24	21.29	12.26	7.56
MAX	11.30	19.30	39.70	41.80	30.00	28.60	43.10	49.30	49.10	26.30	17.50	9.50
MIN	8.30	7.80	20.90	22.60	24.00	24.00	26.60	43.00	27.00	17.00	9.20	5.70

CAL YR 1982 TOTAL 8336.06 MEAN 22.84 MAX 39.70 MIN 7.80
WTR YR 1983 TOTAL 9340.40 MEAN 25.59 MAX 49.30 MIN 5.70

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1972 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 1975 to current year.
WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Specific conductance-temperature recorder since October 1973.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 570 micromhos Oct. 26, 1983; minimum, 207 micromhos Nov. 19, 1983.
WATER TEMPERATURE: Maximum, 31.0 C July 14-15, Aug. 8-17, 1977, July 20-28, 1981; minimum, 0.0 C Jan. 15-27, Feb. 1-2, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 568 micromhos Oct. 21, 1981; minimum, 200 micromhos Dec. 17, 19-20, 1977, Dec. 21, 1982.
WATER TEMPERATURE: Maximum, 32.5 C Aug. 4, 1982; minimum, 1.5 C Jan. 18, 1982.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 570 micromhos Oct. 26; minimum, 207 micromhos Nov. 19.
WATER TEMPERATURE: Maximum, 28.5 C July 12, 16; minimum, 0.5 C Dec. 29-Jan. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
NOV												
17...	1200	365000	420	7.7	13.0	45	--	--	860	420	150	35
JAN												
17...	1200	490000	320	7.5	2.5	50	12.3	90	1600	2500	140	42
MAY												
23...	1200	1580000	284	7.1	20.0	40	7.0	77	800	600	120	37
JUL												
18...	1400	720000	387	7.5	28.0	95	6.9	88	K1400	300	160	47

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV												
17...	38	14	24	25	.9	3.2	118	60	22	.30	6.9	253
JAN												
17...	38	11	12	15	.5	2.4	99	41	17	.10	7.6	216
MAY												
23...	34	9.3	9.0	13	.4	2.5	87	42	11	<.10	6.3	203
JUL												
18...	44	13	12	13	.4	3.5	117	47	14	.20	8.1	349

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV											
17...	240	.34	249000	1.4	.020	2.0	.200	.090	.070	688	88
JAN											
17...	190	.29	286000	1.7	.100	1.3	.190	.070	.060	100	88
MAY											
23...	170	.28	866000	1.7	.110	.40	.100	.050	.050	231	48
JUL											
18...	210	.47	678000	2.2	.280	1.1	.260	.100	.130	262	98

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
NOV										
17...	20	3	82	<.5	<1	<1	<3	2	17	1
JAN										
17...	10	1	67	<.5	<1	<1	<3	2	28	3
MAY										
23...	10	1	70	<.0	<1	<1	<3	2	23	1
JUL										
18...	30	3	99	<.0	2	<1	<3	2	27	1

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
NOV										
17...	10	6	<.1	<10	1	<1	<1	210	<6	5
JAN										
17...	12	13	.2	<10	2	<1	<1	140	<6	<3
MAY										
23...	6	7	.1	<10	4	<1	<1	140	<6	19
JUL										
18...	8	4	.3	<10	<1	1	1	190	<6	21

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	512	501	505	474	466	471	428	411	419	334	312	319
2	505	494	500	476	462	473	424	407	413	330	315	322
3	507	501	504	481	473	478	436	417	428	336	319	326
4	509	504	505	484	479	482	421	399	407	331	322	328
5	510	504	507	487	484	486	401	379	394	336	320	327
6	516	505	513	490	486	489	381	364	373	333	316	323
7	525	517	521	492	489	491	377	368	374	321	307	314
8	526	521	525	493	491	492	376	365	372	319	307	312
9	524	511	518	493	490	492	367	346	356	330	313	322
10	518	512	515	490	482	487	347	332	339	330	314	320
11	513	509	510	492	487	490	335	318	325	322	302	313
12	505	460	496	489	484	486	328	313	324	324	303	313
13	504	498	500	498	486	492	326	306	321	338	319	326
14	501	495	499	518	499	508	316	305	312	344	331	337
15	500	491	496	519	505	514	316	299	308	349	335	343
16	501	494	499	505	461	484	315	308	311	367	345	354
17	510	502	509	461	421	440	315	305	310	383	361	374
18	504	495	500	422	413	417	323	312	318	393	376	385
19	508	502	505	427	207	394	326	316	322	405	382	395
20	515	506	512	415	404	408	339	324	333	411	393	403
21	529	512	520	426	405	415	340	313	330	409	398	404
22	527	514	523	458	427	442	330	313	323	420	407	415
23	533	524	528	465	455	461	326	294	312	422	407	417
24	542	530	535	458	450	455	309	286	301	408	392	403
25	567	543	556	459	439	448	302	279	295	397	391	393
26	570	565	567	463	434	450	314	296	308	404	394	399
27	564	530	548	454	425	444	316	290	306	406	395	402
28	538	524	531	442	417	432	302	280	295	403	392	397
29	537	507	527	433	409	422	314	279	303	394	387	391
30	508	479	495	435	412	426	326	301	313	394	380	387
31	480	471	475	---	---	---	331	313	320	387	383	385
MONTH	570	460	514	519	207	462	436	279	338	422	302	360
		FEBRUARY			MARCH			APRIL			MAY	
1	385	374	381	394	379	388	348	339	343	373	362	367
2	381	371	377	385	375	380	356	349	353	362	351	355
3	386	372	381	376	370	372	358	354	356	350	345	347
4	395	385	390	377	370	373	360	356	358	351	344	348
5	406	394	399	377	364	373	369	358	363	350	346	349
6	404	387	399	376	367	372	377	370	373	349	344	347
7	402	387	396	377	365	372	378	373	376	346	343	345
8	402	395	400	371	358	367	375	369	372	343	341	342
9	403	395	400	369	363	367	368	361	364	343	340	342
10	399	381	394	368	351	365	363	360	361	342	338	340
11	421	396	407	372	364	367	363	357	359	338	334	336
12	436	399	421	373	365	371	357	350	353	333	327	330
13	434	404	420	370	357	366	351	347	349	326	317	321
14	436	413	421	360	347	352	349	346	348	317	309	314
15	437	414	426	347	340	345	348	343	345	310	303	307
16	418	404	409	349	341	345	345	341	343	304	302	303
17	408	399	402	351	346	349	345	342	343	302	301	301
18	403	396	401	350	346	348	348	344	345	303	301	302
19	405	396	401	346	343	345	348	345	346	304	302	303
20	405	392	400	349	342	346	350	346	347	306	303	304
21	394	385	389	356	346	350	356	349	353	306	303	304
22	393	384	389	364	354	360	359	354	357	306	303	304
23	394	389	392	370	362	367	366	358	363	306	303	304
24	391	378	385	380	369	374	370	366	368	304	303	304
25	391	382	387	381	376	379	377	369	373	304	302	303
26	402	391	397	375	362	369	383	376	380	302	301	302
27	404	397	401	363	359	361	389	383	385	305	302	303
28	405	392	400	359	349	355	393	388	390	307	303	305
29	395	389	392	347	343	345	395	390	393	313	307	310
30	---	---	---	344	338	341	391	373	381	320	312	316
31	---	---	---	340	337	339	---	---	---	329	319	323
MONTH	437	371	399	394	337	361	395	339	361	373	301	322

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	340	328	334	407	403	405	464	446	456	481	477	479
2	349	340	345	409	404	407	471	463	468	488	480	483
3	357	350	354	414	408	411	472	467	470	492	486	490
4	363	358	360	416	413	414	469	462	466	492	488	490
5	368	361	365	416	410	413	472	467	470	488	485	486
6	376	369	372	421	412	417	474	472	473	491	487	490
7	389	376	382	429	421	424	474	434	467	488	477	481
8	394	386	391	439	429	434	468	459	464	475	470	472
9	395	386	392	441	439	440	460	452	456	470	469	469
10	397	390	394	439	437	438	451	442	447	479	468	472
11	405	395	400	439	435	437	443	425	439	484	478	481
12	410	403	407	439	433	437	443	439	441	481	476	479
13	416	404	412	433	427	430	440	437	438	476	462	468
14	426	415	419	433	430	432	448	439	443	465	461	463
15	436	425	431	432	423	427	456	448	451	466	463	464
16	444	435	440	423	415	418	463	457	459	463	448	455
17	454	444	448	419	416	418	468	464	465	449	445	447
18	474	455	463	418	414	415	468	461	465	461	448	456
19	509	475	491	414	411	413	477	464	469	475	461	469
20	515	499	510	419	414	416	489	479	485	477	468	474
21	494	442	467	418	415	417	489	479	483	467	462	464
22	439	412	424	419	415	417	480	472	476	462	422	450
23	411	398	404	426	418	422	473	458	465	453	443	449
24	398	392	394	431	425	427	459	456	457	450	444	446
25	400	391	395	443	431	437	467	457	462	443	439	441
26	416	400	408	455	443	449	473	467	470	442	436	439
27	419	413	417	450	446	450	475	472	474	444	442	443
28	412	397	405	447	437	441	476	474	475	446	444	445
29	400	395	397	436	426	430	474	307	406	446	444	445
30	406	398	402	431	424	426	460	384	429	447	444	446
31	---	---	---	446	431	438	478	461	473	---	---	---
MONTH	515	328	407	455	403	426	489	307	460	492	422	465
YEAR	570	207	406									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	22.5	22.0	22.5	17.5	17.5	17.5	11.5	11.0	11.0	.5	.5	.5
2	22.5	22.0	22.5	18.0	17.5	17.5	11.0	11.0	11.0	.5	.5	.5
3	22.5	22.0	22.5	18.0	17.5	18.0	11.0	11.0	11.0	.5	.5	.5
4	22.5	22.0	22.5	18.0	18.0	18.0	11.0	10.5	10.5	1.0	.5	.5
5	22.5	22.0	22.5	18.0	17.5	17.5	10.5	10.5	10.5	1.0	1.0	1.0
6	22.0	22.0	22.0	17.5	17.0	17.0	10.5	10.0	10.5	1.5	1.0	1.5
7	22.0	21.5	21.5	17.0	16.5	17.0	10.0	9.5	9.5	2.0	1.5	1.5
8	22.0	21.5	21.5	16.5	16.5	16.5	9.5	9.0	9.0	2.0	1.5	2.0
9	22.0	21.5	21.5	16.5	16.5	16.5	9.0	9.0	9.0	2.5	2.0	2.5
10	21.5	21.5	21.5	16.5	15.5	16.0	9.0	8.5	8.5	3.0	2.5	3.0
11	21.5	21.0	21.5	15.5	15.0	15.0	9.0	8.5	9.0	3.0	3.0	3.0
12	21.5	20.5	21.0	15.0	14.5	14.5	9.0	8.5	8.5	3.0	3.0	3.0
13	20.5	20.0	20.5	14.5	14.0	14.5	8.5	8.0	8.0	3.5	3.0	3.0
14	20.0	19.5	20.0	14.5	14.0	14.5	8.5	7.5	8.0	3.5	3.0	3.0
15	20.0	19.5	20.0	14.5	14.5	14.5	8.0	7.5	7.5	3.0	3.0	3.0
16	20.0	19.5	20.0	14.5	14.0	14.0	7.5	7.0	7.0	3.0	3.0	3.0
17	21.0	21.0	21.0	14.0	13.5	13.5	7.0	7.0	7.0	3.0	3.0	3.0
18	21.5	20.5	21.0	13.5	13.5	13.5	7.0	6.5	6.5	3.0	2.5	2.5
19	21.0	20.5	21.0	15.0	13.5	13.5	6.5	5.5	6.0	2.5	2.0	2.5
20	21.0	20.5	21.0	14.0	13.5	13.5	5.5	5.0	5.0	2.0	2.0	2.0
21	21.0	21.0	21.0	13.5	13.0	13.0	5.0	4.5	4.5	1.5	1.5	1.5
22	21.0	20.5	21.0	13.5	13.0	13.5	4.5	4.0	4.5	1.5	1.0	1.5
23	20.5	20.0	20.5	14.0	13.5	14.0	4.0	3.5	3.5	1.5	1.5	1.5
24	20.0	20.0	20.0	14.0	13.5	13.5	3.5	2.5	3.0	1.5	1.5	1.5
25	20.0	19.5	20.0	13.5	13.0	13.0	2.5	2.0	2.0	1.5	1.5	1.5
26	19.5	19.0	19.5	13.0	12.5	13.0	2.0	1.5	1.5	1.5	1.5	1.5
27	19.0	19.0	19.0	13.0	13.0	13.0	1.5	1.0	1.5	2.0	1.5	1.5
28	19.0	18.5	18.5	13.0	12.0	12.5	1.0	1.0	1.0	2.0	2.0	2.0
29	18.5	18.0	18.5	12.5	11.5	12.0	1.0	.5	1.0	2.0	2.0	2.0
30	18.0	18.0	18.0	11.5	11.5	11.5	.5	.5	.5	2.5	2.0	2.5
31	18.0	18.0	18.0	---	---	---	.5	.5	.5	2.5	2.5	2.5
MONTH	22.5	18.0	20.5	18.0	11.5	14.5	11.5	.5	6.5	3.5	.5	2.0

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	3.0	2.5	2.5	7.0	6.5	6.5	9.0	9.0	9.0	16.0	16.0	16.0
2	3.5	3.0	3.0	6.5	6.5	6.5	9.0	9.0	9.0	16.5	16.0	16.0
3	3.5	3.5	3.5	6.5	6.5	6.5	9.5	9.0	9.5	16.5	16.5	16.5
4	4.0	3.5	3.5	7.0	6.5	7.0	10.0	9.5	10.0	17.0	16.5	17.0
5	4.0	3.5	4.0	7.0	7.0	7.0	10.0	10.0	10.0	17.5	17.0	17.0
6	4.0	3.5	3.5	7.0	7.0	7.0	10.5	10.0	10.5	18.0	17.5	17.5
7	4.0	3.5	3.5	7.0	7.0	7.0	10.5	10.5	10.5	18.5	18.0	18.0
8	4.0	3.5	4.0	7.0	7.0	7.0	11.0	10.5	11.0	18.5	18.0	18.5
9	4.0	3.5	4.0	7.0	7.0	7.0	11.0	11.0	11.0	18.5	18.0	18.0
10	4.0	4.0	4.0	7.0	7.0	7.0	11.5	11.0	11.0	18.0	18.0	18.0
11	4.5	4.0	4.5	7.0	7.0	7.0	12.0	11.5	11.5	18.0	18.0	18.0
12	5.5	4.5	5.0	7.0	6.5	7.0	12.0	12.0	12.0	18.5	18.0	18.0
13	6.0	5.0	5.5	7.5	7.0	7.0	12.5	12.0	12.0	18.5	18.0	18.5
14	6.0	5.5	6.0	7.5	7.0	7.5	13.0	12.5	12.5	19.0	18.5	18.5
15	6.5	5.5	6.0	7.5	7.5	7.5	13.0	13.0	13.0	19.0	18.5	19.0
16	7.0	6.5	6.5	8.0	7.5	8.0	13.0	12.5	13.0	19.0	19.0	19.0
17	7.0	7.0	7.0	8.5	8.0	8.0	13.0	12.5	13.0	19.5	19.0	19.0
18	7.5	7.0	7.0	9.0	8.5	8.5	13.0	13.0	13.0	19.5	19.5	19.5
19	7.5	7.5	7.5	9.0	9.0	9.0	13.0	13.0	13.0	19.5	19.5	19.5
20	7.5	7.5	7.5	9.0	9.0	9.0	13.5	13.0	13.0	20.0	19.5	19.5
21	7.5	7.5	7.5	9.0	8.5	9.0	14.0	13.5	14.0	20.0	19.5	20.0
22	8.0	7.5	7.5	9.0	8.5	8.5	14.5	14.0	14.0	20.0	19.5	20.0
23	8.0	7.5	7.5	9.0	8.5	8.5	14.5	14.0	14.5	20.5	20.0	20.5
24	8.0	7.5	8.0	9.0	8.5	9.0	14.5	14.5	14.5	21.0	20.5	20.5
25	8.0	7.5	7.5	9.0	8.5	8.5	14.5	14.5	14.5	21.0	20.5	21.0
26	8.0	7.5	8.0	9.0	8.5	9.0	15.0	14.5	15.0	21.5	21.0	21.5
27	8.0	7.5	7.5	9.0	9.0	9.0	15.0	15.0	15.0	22.0	21.5	22.0
28	7.5	7.0	7.0	9.0	8.5	9.0	15.5	15.0	15.0	22.5	22.0	22.0
29	7.0	6.5	6.5	9.0	8.5	8.5	15.5	15.5	15.5	22.5	22.0	22.0
30	---	---	---	9.0	8.5	9.0	16.0	15.5	15.5	22.0	22.0	22.0
31	---	---	---	9.0	9.0	9.0	---	---	---	22.0	21.5	21.5
MONTH	8.0	2.5	5.5	9.0	6.5	8.0	16.0	9.0	12.5	22.5	16.0	19.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21.5	21.5	21.5	27.5	27.5	27.5				27.5	27.5	27.5
2	21.5	21.5	21.5	27.5	27.5	27.5				28.0	27.5	27.5
3	22.0	21.5	21.5	28.0	27.5	27.5				27.5	27.0	27.5
4	22.0	21.5	22.0	28.0	27.5	27.5				27.0	26.5	27.0
5	22.0	22.0	22.0	28.0	27.5	27.5				26.5	26.0	26.5
6	22.0	22.0	22.0	27.5	27.5	27.5				26.0	26.0	26.0
7	22.5	22.0	22.0	27.5	27.5	27.5				26.0	25.5	26.0
8	22.5	22.5	22.5	28.0	27.5	27.5				26.0	25.5	25.5
9	23.0	22.5	22.5	28.0	27.5	27.5				25.5	25.0	25.5
10	23.5	23.0	23.0	28.0	27.5	28.0				25.5	25.0	25.5
11	24.0	23.5	23.5	28.0	28.0	28.0				25.5	25.5	25.5
12	24.5	24.0	24.0	28.5	28.0	28.0				25.5	25.5	25.5
13	24.5	24.5	24.5	28.0	28.0	28.0				26.0	25.5	25.5
14	25.0	24.5	25.0	28.0	28.0	28.0				26.0	26.0	26.0
15	26.0	25.0	25.5	28.0	28.0	28.0				26.0	25.5	25.5
16	26.0	25.5	26.0	28.5	28.0	28.0				25.5	24.5	25.0
17	26.5	26.0	26.0	---	---	---				24.0	23.5	24.0
18	27.0	26.5	26.5	---	---	---				24.0	23.5	23.5
19	27.0	26.5	27.0	---	---	---				23.5	23.5	23.5
20	27.0	27.0	27.0	---	---	---				23.5	23.0	23.0
21	27.0	27.0	27.0	---	---	---				23.0	23.0	23.0
22	27.5	27.0	27.5	---	---	---				23.0	23.0	23.0
23	28.0	27.5	27.5	---	---	---				23.0	23.0	23.0
24	28.0	27.5	28.0	---	---	---				23.5	23.0	23.0
25	28.0	27.5	28.0	---	---	---				23.5	23.0	23.5
26	28.0	28.0	28.0	---	---	---				23.5	23.0	23.0
27	28.0	27.5	28.0	---	---	---				23.0	22.5	22.5
28	27.5	27.5	27.5	---	---	---				22.5	21.5	22.0
29	27.5	27.5	27.5	---	---	---				21.5	20.5	21.0
30	27.5	27.0	27.5	---	---	---				20.5	19.5	20.0
31	---	---	---	---	---	---				---	---	---
MONTH	28.0	21.5	25.0							28.0	19.5	24.5
YEAR	28.5	.5	14.5									

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near left bank on downstream side of bridge on State Highway 19, 0.2 mi east of West, 5.2 mi upstream from Jordan Creek, and 7.1 mi downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi^2.

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 10, 1948, nonrecording gage; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft downstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 1,812 ft^3/s, 24.98 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,200 ft^3/s May 21, 1983, gage height, 26.08 ft; minimum, 28.8 ft^3/s Oct. 7, 1981, gage height, 1.33 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft, 47,000 ft^3/s at site about 2,000 ft downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 5	0215	*50460	24.48	Apr. 4	0030	11000	19.44
Mar. 6	0330	14300	20.12				

Minimum discharge, 39.0 ft^3/s Sept. 29, 30, gage height, 1.55 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	104	3720	7540	980	2820	2380	3410	169	224	128	229
2	105	101	3390	4760	787	3320	1920	3440	152	151	223	139
3	98	102	10100	3300	741	2900	5090	4290	145	115	176	103
4	95	105	45200	2250	806	1960	9730	6510	138	102	135	86
5	91	148	46300	1350	805	5490	10600	6470	133	96	367	78
6	86	199	28200	1030	734	12800	9480	6900	132	96	719	74
7	84	216	14800	907	629	13300	6520	5500	123	91	376	72
8	80	179	8740	804	554	11600	4290	4150	118	102	239	68
9	79	157	5650	704	522	8160	3250	3570	117	126	183	63
10	79	142	4050	2010	1270	5110	2250	2820	113	141	143	60
11	77	129	3420	4000	2460	3580	1300	2630	109	118	119	59
12	96	118	2960	4500	2760	2630	979	2990	104	99	108	60
13	165	111	2430	6620	4990	1540	814	2630	98	115	114	58
14	192	115	2610	6830	6200	1040	698	1360	96	650	105	57
15	216	224	3720	4670	5470	894	603	685	98	510	103	55
16	170	351	3650	3470	5480	795	531	510	95	274	105	51
17	129	336	3330	2570	4310	1740	490	418	106	181	122	49
18	131	277	3260	2450	3320	2530	469	359	110	139	143	46
19	107	268	2770	2810	2600	2360	690	311	100	117	109	43
20	98	1540	1700	2580	1860	2530	1580	285	94	105	93	42
21	97	1680	979	2680	1200	3100	1620	269	92	96	83	42
22	224	1720	2210	3090	900	2950	2630	292	87	89	77	42
23	458	2420	3040	2980	764	2320	4850	303	233	83	110	42
24	549	5510	2950	3670	681	1480	4130	282	403	80	149	42
25	425	8740	2860	4570	616	1050	4810	272	261	79	216	45
26	256	9960	2850	4330	590	1040	4520	266	195	82	158	43
27	179	10400	2830	5990	1840	1060	3700	256	145	109	103	41
28	145	9340	3200	4860	2480	1490	3090	228	115	114	102	41
29	126	6590	4420	3580	2440	2270	2590	215	105	100	160	40
30	114	4330	4540	2700	---	2360	2810	211	240	100	308	40
31	109	---	5430	1630	---	2370	---	193	---	98	374	---
TOTAL	4973	65612	235309	105235	58789	108589	98414	62025	4226	4582	5650	1910
MEAN	160	2187	7591	3395	2027	3503	3280	2001	141	148	182	63.7
MAX	549	10400	46300	7540	6200	13300	10600	6900	403	650	719	229
MIN	77	101	979	704	522	795	469	193	87	79	77	40
CFSM	.16	2.22	7.71	3.45	2.06	3.56	3.33	2.03	.14	.15	.19	.07
IN.	.19	2.48	8.89	3.97	2.22	4.10	3.72	2.34	.16	.17	.21	.07

CAL YR 1983 TOTAL 1303349 MEAN 3571 MAX 62400 MIN 66 CFSM 3.63 IN 49.22
WTR YR 1984 TOTAL 755314 MEAN 2064 MAX 46300 MIN 40 CFSM 2.10 IN 28.53

07290000 BIG BLACK RIVER NEAR BOVINA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft upstream from Clear Creek, 0.4 mi upstream from Illinois Central Railroad bridge, 2.3 mi east of Bovina, 10.8 mi upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi2, approximately (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WRD Miss. 1968: 1966-67. WDR MS-79-1: 1978(M).

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft National Geodetic Vertical Datum of 1929 or 85.00 ft above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--48 years, 3,805 ft3/s, 18.40 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,300 ft3/s May. 24, 1983, gage height, 40.77 ft; minimum, 65 ft3/s Oct. 2, 1954, gage height, 5.98 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi upstream, reached elevations NGVD as follows: Dec. 20, 1961, 139.2 ft; in 1912 and in January 1927, 139 ft; Apr. 1, 1951, 138.5 ft. A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft3/s, and maximum (*):

Date	Time	Discharge (ft3/s)	Gage Height (ft)	Date	Time	Discharge (ft3/s)	Gage Height (ft)
Dec. 11	2100	*34500	37.32	Mar. 10	0530	20100	34.04

Minimum discharge, 176 ft3/s Sept. 30, gage height 6.68 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	515	362	7410	8820	8740	7180	4370	4770	642	420	258	416
2	426	347	6820	8880	8020	7000	4450	4770	633	396	327	417
3	382	335	6760	9140	6910	6860	9140	7760	625	355	336	434
4	351	297	7640	9430	5040	6630	8950	8940	610	324	348	439
5	326	292	7750	9340	2670	12100	8760	8790	595	333	358	504
6	306	290	9720	8660	1740	13500	8700	8760	580	351	308	438
7	293	284	9600	7450	1510	14100	8550	8890	570	332	329	352
8	282	280	9260	6070	1400	16400	8620	9540	555	320	406	309
9	269	283	9790	4010	1300	18800	8960	10200	540	300	619	285
10	260	328	19600	4010	1950	19900	8980	10500	520	296	831	268
11	255	339	33000	6120	4270	18300	8780	10600	505	290	1080	257
12	261	341	32100	6860	5950	15900	8610	10400	490	277	1370	251
13	265	337	27900	7040	9820	14200	8610	10100	475	517	1700	252
14	257	319	23600	7060	9850	13300	8680	9640	460	783	1020	244
15	249	306	19800	6870	9760	12600	8480	9170	440	650	833	236
16	243	302	16600	6850	10100	11900	5890	8290	430	485	799	226
17	243	294	14400	6880	10700	11600	2460	5750	418	898	604	217
18	253	287	12900	6730	11100	10100	1520	2760	407	869	493	211
19	277	483	11700	6450	11400	8260	2160	1540	393	679	405	207
20	293	2470	10700	6240	11200	6410	2970	1200	370	649	351	203
21	300	2090	9750	6120	10500	5230	2110	1030	353	568	338	201
22	306	2650	9090	6050	9690	4420	2970	933	342	463	352	200
23	313	4460	8100	6130	8810	3680	3850	1300	354	397	355	200
24	309	5640	7240	8570	7400	3360	3880	2230	431	353	326	197
25	297	5110	6390	9050	4020	3370	4030	1790	457	415	299	196
26	306	4830	5660	8840	2140	3340	4200	1110	373	541	302	195
27	389	5480	5190	8790	5760	3190	4330	860	359	374	303	189
28	457	8200	7890	8760	7080	3230	4450	785	415	355	312	185
29	485	8390	8840	8720	7160	3170	4670	725	453	357	516	181
30	478	7910	8840	8850	---	4030	4720	704	442	303	391	177
31	405	---	8800	8960	---	4430	---	688	---	274	385	---
TOTAL	10051	63336	382840	231750	195990	286490	176850	164525	14237	13924	16654	8087
MEAN	324	2111	12350	7476	6758	9242	5895	5307	475	449	537	270
MAX	515	8390	33000	9430	11400	19900	9140	10600	642	898	1700	504
MIN	243	280	5190	4010	1300	3170	1520	688	342	274	258	177
CFSM	.12	.75	4.40	2.66	2.41	3.29	2.10	1.89	.17	.16	.19	.10
IN.	.13	.84	5.07	3.07	2.59	3.79	2.34	2.18	.19	.18	.22	.11

CAL YR 1983 TOTAL 3510871 MEAN 9619 MAX 90600 MIN 243 CFSM 3.42 IN 46.48
WTR YR 1984 TOTAL 1564734 MEAN 4275 MAX 33000 MIN 177 CFSM 1.52 IN 20.71

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-63, 1972-73, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1975 to September 1981.
WATER TEMPERATURE: July 1975 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
OCT 21...	1130	301	259	6.8	24.0	15	8.1	96	400	140	49	0
DEC 14...	1100	23900	37	5.1	9.0	65	8.8	76	600	230	11	2
FEB 15...	1330	9700	56	6.8	13.0	150	8.1	77	--	--	16	2
APR 09...	1400	9010	62	6.7	16.0	100	7.6	78	570	1500	19	0
JUN 19...	1200	388	193	7.4	30.0	15	6.6	87	3600	1500	62	0
AUG 27...	1200	301	163	7.1	28.0	16	6.9	89	K1200	540	46	0

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
OCT 21...	12	4.6	34	59	2	2.1	48	10	44	.10	12	139
DEC 14...	2.4	1.1	2.3	27	.3	2.2	9.0	8.0	3.5	<.10	4.9	39
FEB 15...	3.6	1.6	3.4	28	.4	2.4	14	8.2	3.7	<.10	5.6	54
APR 09...	4.6	1.9	3.5	26	.4	1.8	19	6.8	3.6	.10	5.6	36
JUN 19...	15	6.0	13	31	.7	1.8	65	9.4	15	.10	15	128
AUG 27...	11	4.4	10	31	.7	2.2	48	8.4	11	.10	11	85

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	SEDI-MENT, SUS-PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 21...	150	.19	113	<.10	.080	.40	.080	.030	.020	28	96
DEC 14...	30	.05	2520	<.10	.030	.30	.210	.030	.030	59	93
FEB 15...	37	.07	1410	.10	.030	1.8	.300	.040	.010	210	98
APR 09...	39	.05	876	<.10	<.010	.60	.170	.030	.020	179	96
JUN 19...	110	.17	134	<.10	.060	.40	.100	.100	.050	35	67
AUG 27...	87	.12	69	<.10	.020	.80	.090	.040	.030	48	90

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)
DEC										
14...	70	2	31	.5	<1	8	<3	2	240	3
FEB										
15...	50	1	37	<.5	<1	<10	<3	3	220	4
JUN										
19...	30	2	65	<.0	<1	<1	<3	<1	13	2
AUG										
27...	20	2	54	<.0	<1	<1	<3	2	54	<1

DATE	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)
DEC										
14...	<4	46	<.1	<10	2	<1	<1	22	<6	13
FEB										
15...	<4	62	.2	<10	5	<1	<1	30	<6	8
JUN										
19...	<4	150	.2	<10	2	<1	<1	130	<6	7
AUG										
27...	12	39	<.1	<10	1	<1	<1	100	<6	<3

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi upstream from South Fork Bayou Pierre, and 1.7 mi southeast of Willows.

DRAINAGE AREA.--653 mi2.

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records good except for periods of incorrect gage heights, which are fair, and periods of missing gage heights, Jan. 23 to Feb. 16 and Aug. 3 to Sept. 13, which are poor.

AVERAGE DISCHARGE.--23 years, 924 ft3/s, 19.22 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 88,000 ft3/s Apr. 7, 1983, gage height, 29.36 ft; minimum discharge, 19 ft3/s Oct. 6, 1969; minimum gage height, 2.17 ft Nov. 4, 5, 6, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 27	1900	17900	20.99	Mar. 3	2030	15500	19.48
Dec. 11	1130	15200	19.26	Mar. 6	0230	*42100	26.56

Minimum daily discharge, 45 ft/s Sept 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	62	251	577	385	904	320	231	102	119	114	63
2	58	61	198	491	360	685	319	231	97	117	94	62
3	58	60	341	440	345	8140	3220	2090	92	80	73	61
4	57	61	1100	393	1100	7140	2890	1390	89	73	69	58
5	55	69	965	354	720	25300	1510	694	88	70	64	56
6	55	71	2300	324	625	30200	658	328	119	65	62	55
7	53	68	907	297	550	6520	491	270	166	55	370	53
8	53	73	402	271	490	2750	785	2620	130	53	2000	52
9	53	69	266	254	450	1500	3580	860	111	52	450	50
10	52	68	231	2250	700	1090	1910	381	99	56	350	49
11	53	68	9680	1500	670	888	1280	255	91	55	600	48
12	56	62	3290	702	550	765	646	239	112	47	500	47
13	66	63	1580	475	1000	708	495	233	291	834	700	46
14	73	66	3170	379	4500	648	415	210	172	1140	1100	55
15	67	81	1360	413	2300	602	369	205	127	783	500	55
16	62	81	672	605	10000	550	333	200	110	181	325	54
17	60	73	490	623	3750	507	311	202	100	101	225	51
18	58	69	408	780	1770	474	284	150	93	86	170	49
19	56	80	343	1620	1030	445	274	122	88	73	135	49
20	55	466	286	1060	760	430	295	114	85	63	119	49
21	55	356	435	580	631	429	262	109	83	58	108	48
22	100	942	1530	436	566	409	248	120	82	55	97	48
23	110	2980	1680	465	511	360	225	154	81	71	90	50
24	89	1430	1020	800	448	346	205	125	81	85	200	54
25	75	733	427	1110	398	2680	192	113	82	110	138	55
26	71	301	334	820	682	1410	183	120	82	121	109	48
27	64	7550	580	630	6280	665	239	213	82	65	89	48
28	61	4520	9210	580	3120	510	203	353	82	60	74	48
29	60	916	3740	520	1820	400	183	195	144	1890	63	46
30	61	381	2340	465	---	350	171	131	132	294	59	45
31	63	---	842	420	---	359	---	118	---	151	62	---
TOTAL	1969	21880	50378	20634	46511	98164	22496	12776	3293	7063	9109	1552
MEAN	63.5	729	1625	666	1604	3167	750	412	110	228	294	51.7
MAX	110	7550	9680	2250	10000	30200	3580	2620	291	1890	2000	63
MIN	52	60	198	254	345	346	171	109	81	47	59	45
CFSM	.10	1.12	2.49	1.02	2.46	4.85	1.15	.63	.17	.35	.45	.08
IN.	.11	1.25	2.87	1.18	2.65	5.59	1.28	.73	.19	.40	.52	.09

CAL YR 1983 TOTAL 657081 MEAN 1800 MAX 72900 MIN 52 CFSM 2.76 IN 37.43
WTR YR 1984 TOTAL 295825 MEAN 808 MAX 30200 MIN 45 CFSM 1.24 IN 16.85

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central Gulf Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.4 mi upstream from McCall Creek, and 0.8 mi east of Eddiceton.

DRAINAGE AREA.--180 mi², approximately.

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

GAGE.--Water-stage recorder. Datum of gage is 212.22 ft National Geodetic Vertical Datum of 1929. Prior to May 18, 1984, at datum 5.0 ft lower. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream at present datum.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--46 years, 266 ft³/s, 20.07 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s Apr. 13, 1974, gage height, 19.53 ft; minimum discharge, 26 ft³/s Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft³/s Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,000 ft³/s Mar. 5, gage height, 13.70 ft, only peak above base of 9,000 ft³/s, minimum, 42 ft³/s, Sept. 28, 29, 30, gage height, 5.04 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	53	98	171	166	275	147	99	75	59	49	51
2	52	53	95	157	159	251	168	97	71	58	48	58
3	52	55	183	143	180	488	1830	532	69	54	49	61
4	52	56	355	132	199	566	436	209	68	52	48	52
5	52	65	152	130	200	14200	334	139	65	49	58	51
6	52	60	389	123	175	1630	302	113	63	49	97	50
7	50	60	178	119	153	661	283	99	72	50	67	50
8	50	62	112	114	149	428	335	691	67	52	67	49
9	50	60	92	117	185	329	743	232	61	70	55	48
10	50	60	82	289	147	262	420	138	59	80	51	47
11	50	58	2590	205	210	225	337	113	58	54	48	46
12	50	58	401	148	560	198	292	103	64	64	69	45
13	52	58	212	134	2410	177	258	96	413	339	209	64
14	51	58	463	125	500	152	228	91	166	161	631	63
15	50	73	212	286	380	141	206	86	89	89	114	53
16	47	71	137	297	1560	142	193	78	93	102	69	48
17	48	62	142	188	516	128	186	67	78	77	57	46
18	48	62	118	571	272	144	176	68	84	64	53	45
19	48	77	103	591	201	144	173	71	135	58	51	45
20	48	180	93	250	164	147	162	72	80	55	52	45
21	50	94	739	179	172	120	154	72	66	54	51	45
22	92	71	1770	157	161	110	153	78	61	54	49	48
23	73	220	359	170	146	101	141	74	58	70	54	53
24	56	177	205	492	138	906	133	67	57	74	52	50
25	51	79	146	526	132	526	126	63	63	57	50	46
26	51	69	124	360	324	268	122	62	58	54	49	46
27	53	2940	170	255	2020	223	130	490	61	52	50	45
28	53	521	1890	228	531	227	118	135	63	53	50	44
29	53	165	440	208	344	196	112	146	62	112	50	43
30	53	49	244	189	---	168	107	93	68	61	55	42
31	53	---	187	175	---	159	---	83	---	52	52	---
TOTAL	1642	5726	12481	7229	12454	23692	8505	4557	2547	2329	2504	1479
MEAN	53.0	191	403	233	429	764	284	147	84.9	75.1	80.8	49.3
MAX	92	2940	2590	591	2410	14200	1830	691	413	339	631	64
MIN	47	49	82	114	132	101	107	62	57	49	48	42
CFSM	.29	1.06	2.24	1.29	2.38	4.24	1.58	.82	.47	.42	.45	.27
IN.	.34	1.18	2.58	1.49	2.57	4.90	1.76	.94	.53	.48	.52	.31

CAL YR 1983 TOTAL 182378 MEAN 500 MAX 19200 MIN 47 CFSM 2.78 IN 37.69
WTR YR 1984 TOTAL 85145 MEAN 233 MAX 14200 MIN 42 CFSM 1.29 IN 17.60

07291230 SHAWS CREEK NEAR RED STAR, MS

LOCATION.--Lat 31 35 58 , long 90 33 08 , in SE SE sec.1, T.7 N., R.6 E., Washington Meridian, Lincoln County, Hydrologic Unit 08060205, on downstream side of bridge on county road, 1.8 mi upstream from Jackson Creek and 2.0 mi south of Red Star.

DRAINAGE AREA.--13.8 mi2

PERIOD OF RECORD.--Water years 1982 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1983 to September 1984 (discontinued).
WATER TEMPERATURE: November 1983 to September 1984 (discontinued).

INSTRUMENTATION.--Specific conductance-temperature recorder from November 1983 to September 1984.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 292 micromhos May 14, 1984; minimum, 8 micromhos Feb. 12, 1984.
WATER TEMPERATURE: Maximum, 27.5 C Aug. 21, 31, Sep. 1, 1984; minimum, 2.5 C Jan. 22, 1984.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
NOV												
21...	1445	7.8	119	5.9	15.5	9.2	93	--	--	--	--	13
MAR												
06...	1040	82	46	6.2	11.0	9.4	86	--	--	--	--	4.2
07...	1355	32	63	6.1	12.0	10.4	97	11	4	2.5	1.2	6.8
MAY												
17...	0830	7.8	135	6.2	17.5	9.4	99	--	--	--	--	17
JUL												
12...	1200	5.7	140	6.3	27.5	--	--	--	--	--	--	19
SEP												
13...	1350	4.4	142	6.4	25.0	8.8	108	21	14	4.8	2.2	18

DATE	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	BARIUM, DIS-SOLVED (UG/L AS BA)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)
NOV												
21...	--	--	--	--	--	28	--	88	.12	1.9	--	--
MAR												
06...	--	--	--	--	--	7.2	--	--	--	--	--	--
07...	54	.9	1.1	7.0	4.0	13	.07	37	.05	3.2	52	30
MAY												
17...	--	--	--	--	--	36	--	87	.12	1.8	--	--
JUL												
12...	--	--	--	--	--	37	--	112	.15	1.7	--	--
SEP												
13...	63	2	1.2	7.0	.6	39	.22	99	.13	1.2	86	51

07291230 SHAWS CREEK NEAR RED STAR, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1				150	144	147	139	133	137	---	---	---
2				150	146	149	141	137	139	---	---	---
3				152	146	149	140	105	130	---	---	---
4				151	143	148	127	106	116	---	---	---
5				151	146	150	116	103	108	---	---	---
6				153	149	151	113	95	109	124	121	123
7				154	145	147	114	109	111	126	122	125
8				151	144	147	126	115	120	130	108	124
9				152	145	149	130	126	128	130	113	125
10				153	149	151	138	120	133	130	117	122
11				153	149	151	79	31	49	144	119	132
12				153	147	151	84	64	74	140	116	123
13				158	150	153	99	84	91	119	115	117
14				152	143	147	95	53	69	123	119	121
15				149	131	140	123	76	91	130	109	119
16				151	149	150	124	116	120	98	78	83
17				153	149	151	135	124	130	97	88	95
18				149	143	147	141	134	137	109	54	87
19				147	96	135	149	141	145	74	54	63
20				109	93	103	153	149	151	89	74	82
21				117	102	109	152	53	133	99	90	96
22				---	---	---	87	18	57	109	99	105
23				---	---	---	101	86	94	110	107	108
24				---	---	---	111	101	105	109	104	107
25				---	---	---	106	100	102	110	91	97
26				---	---	---	111	100	102	101	93	98
27				---	---	---	125	52	105	108	102	104
28				105	98	101	53	38	40	113	108	111
29				123	106	116	---	---	---	117	112	115
30				133	124	128	---	---	---	121	115	117
31				---	---	---	---	---	---	127	120	125
MONTH				158	93	140	153	18	108	144	54	109
	FEBRUARY			MARCH			APRIL			MAY		
1	127	124	125	106	98	102	128	125	127	---	---	---
2	124	122	124	112	107	109	130	66	120	---	---	---
3	124	118	121	113	109	111	54	12	19	107	52	76
4	130	123	127	121	110	115	---	---	---	130	82	108
5	129	122	125	104	9	32	---	---	---	111	94	104
6	134	128	131	61	40	51	---	---	---	121	111	116
7	136	133	135	74	61	68	---	---	---	130	113	123
8	138	134	136	86	75	80	---	---	---	125	86	103
9	136	128	133	93	87	90	---	---	---	120	98	105
10	128	124	127	100	94	98	---	---	---	131	111	120
11	126	121	124	106	99	103	---	---	---	157	124	134
12	126	8	70	110	106	109	---	---	---	176	127	148
13	14	9	12	112	109	111	---	---	---	228	144	165
14	---	---	---	114	110	112	---	---	---	292	137	203
15	---	---	---	117	113	115	---	---	---	141	136	139
16	---	---	---	118	115	117	---	---	---	140	138	139
17	---	---	---	122	118	120	---	---	---	142	139	140
18	---	---	---	125	121	123	---	---	---	141	139	140
19	---	---	---	127	116	123	---	---	---	141	137	139
20	---	---	---	129	119	124	---	---	---	156	140	141
21	---	---	---	125	120	123	---	---	---	---	---	---
22	---	---	---	128	123	125	---	---	---	---	---	---
23	---	---	---	133	128	131	---	---	---	---	---	---
24	127	126	126	132	42	80	---	---	---	---	---	---
25	127	119	123	77	53	66	---	---	---	---	---	---
26	119	31	105	94	78	87	---	---	---	---	---	---
27	68	40	54	101	94	98	---	---	---	---	---	---
28	91	69	78	108	101	106	---	---	---	---	---	---
29	100	86	92	114	108	112	---	---	---	---	---	---
30	---	---	---	122	113	118	---	---	---	---	---	---
31	---	---	---	125	122	124	---	---	---	---	---	---
MONTH				133	9	103						

07291230 SHAWS CREEK NEAR RED STAR, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1				---	---	---	---	---	---	151	146	148
2				---	---	---	---	---	---	150	146	148
3				---	---	---	---	---	---	154	149	151
4				---	---	---	---	---	---	154	150	152
5				---	---	---	---	---	---	156	147	150
6				---	---	---	---	---	---	161	147	151
7				---	---	---	---	---	---	153	147	150
8				---	---	---	---	---	---	161	146	151
9				---	---	---	---	---	---	150	145	148
10				---	---	---	---	---	---	154	147	150
11				---	---	---	---	---	---	179	146	156
12				148	88	124	---	---	---	165	146	158
13				155	130	142	---	---	---	188	142	151
14				152	130	140	---	---	---	160	69	135
15				160	130	143	---	---	---	79	66	74
16				169	145	150	---	---	---	75	55	69
17				156	145	150	---	---	---	87	60	72
18				167	145	152	---	---	---	113	88	102
19				156	148	152	---	---	---	111	87	98
20				156	143	149	---	---	---	131	100	116
21				162	144	149	152	116	146	---	---	---
22				161	147	151	151	146	149	---	---	---
23				162	98	140	152	142	149	---	---	---
24				---	---	---	149	143	146	---	---	---
25				---	---	---	150	145	147	---	---	---
26				---	---	---	151	145	148	---	---	---
27				---	---	---	151	148	150	---	---	---
28				---	---	---	151	145	148	---	---	---
29				---	---	---	150	138	146	---	---	---
30				---	---	---	152	146	148	---	---	---
31				---	---	---	150	146	147	---	---	---
MONTH												

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	19.0	14.0	16.0	13.0	11.5	12.0	---	---	---
2	---	---	---	20.0	15.5	17.5	16.0	12.0	14.0	---	---	---
3	---	---	---	20.5	16.0	17.5	18.5	16.0	17.0	---	---	---
4	---	---	---	18.0	16.5	17.0	16.5	14.0	15.5	---	---	---
5	---	---	---	19.0	14.5	17.0	15.5	13.0	14.0	---	---	---
6	---	---	---	15.0	13.0	14.5	15.5	11.5	14.0	10.5	7.5	9.0
7	---	---	---	15.5	14.5	15.0	12.0	9.5	10.5	10.0	8.0	9.0
8	---	---	---	18.0	14.0	15.5	12.0	8.5	10.0	11.0	7.5	9.0
9	---	---	---	18.0	14.0	15.5	13.5	9.5	11.5	11.5	9.0	10.5
10	---	---	---	15.0	12.5	13.5	14.5	12.5	13.5	11.0	8.0	10.0
11	---	---	---	12.5	11.0	12.0	16.0	15.0	15.5	8.0	6.0	7.0
12	---	---	---	14.0	10.5	11.5	14.5	12.0	13.5	8.0	4.5	6.5
13	---	---	---	13.5	11.0	12.0	12.0	11.5	12.0	9.5	7.5	8.5
14	---	---	---	18.0	13.0	15.5	12.5	10.5	11.5	9.5	8.5	9.0
15	---	---	---	17.5	13.5	16.0	11.0	9.5	10.0	8.5	7.5	8.0
16	---	---	---	15.0	11.0	13.0	10.0	8.5	9.0	7.5	7.0	7.0
17	---	---	---	14.0	9.5	11.5	11.5	9.0	10.0	7.5	6.5	7.0
18	---	---	---	16.5	11.0	13.5	12.0	10.0	11.0	7.5	5.0	6.5
19	---	---	---	18.5	14.5	16.5	10.5	8.0	9.5	5.0	4.0	4.5
20	---	---	---	18.5	13.5	16.5	8.5	7.5	8.0	5.0	3.0	4.0
21	---	---	---	15.5	12.0	13.0	13.0	8.5	10.5	5.5	3.0	4.0
22	---	---	---	---	---	---	12.5	9.0	10.5	5.5	2.5	4.0
23	---	---	---	---	---	---	9.5	9.0	9.5	8.0	5.5	7.0
24	---	---	---	---	---	---	9.0	7.0	8.5	9.5	8.0	9.0
25	---	---	---	---	---	---	7.5	6.5	7.0	10.0	8.5	9.5
26	---	---	---	---	---	---	7.5	6.5	7.0	9.5	7.5	8.5
27	---	---	---	---	---	---	11.5	7.5	9.0	10.0	7.0	8.5
28	---	---	---	13.0	10.5	11.5	13.5	11.5	13.0	10.5	8.0	8.5
29	---	---	---	11.5	9.0	10.0	---	---	---	11.0	7.0	8.5
30	---	---	---	12.0	9.5	11.0	---	---	---	11.0	8.5	9.0
31	15.0	15.0	15.0	---	---	---	---	---	---	10.0	7.0	8.0
MONTH				20.5	9.0	14.5	18.5	6.5	11.5	11.5	2.5	7.5

07291230 SHAWS CREEK NEAR RED STAR, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	9.5	6.5	8.0	10.5	6.0	8.0	17.5	13.0	15.0	---	---	---
2	11.0	6.5	8.5	11.0	7.5	9.5	15.0	14.0	14.5	---	---	---
3	12.5	10.0	10.5	13.0	11.0	12.0	15.5	15.0	15.5	21.0	20.5	20.5
4	11.5	8.0	9.5	15.5	12.0	14.0	---	---	---	22.0	17.5	19.5
5	10.5	7.0	8.5	14.5	12.0	13.5	---	---	---	22.0	18.5	20.0
6	9.0	5.5	6.5	12.0	10.0	11.0	---	---	---	24.0	20.5	21.5
7	9.0	5.0	6.5	11.5	8.0	10.0	---	---	---	24.5	21.0	22.5
8	9.5	5.5	7.0	13.5	9.0	11.0	---	---	---	21.5	18.0	20.5
9	10.0	6.5	8.5	13.5	10.5	12.0	---	---	---	19.5	16.0	17.5
10	13.5	10.0	12.0	13.5	10.0	11.5	---	---	---	20.0	16.0	17.5
11	15.5	12.5	14.0	15.0	10.5	12.5	---	---	---	20.0	16.5	18.0
12	15.0	12.0	13.5	13.5	12.0	13.0	---	---	---	20.5	17.0	18.5
13	13.0	12.0	12.5	18.0	13.5	15.5	---	---	---	21.0	18.0	19.5
14	---	---	---	18.5	14.0	16.0	---	---	---	23.5	18.5	20.5
15	---	---	---	20.5	15.5	17.5	---	---	---	23.5	19.0	20.5
16	---	---	---	21.0	17.5	19.0	---	---	---	22.0	18.0	19.5
17	---	---	---	22.0	17.5	19.5	---	---	---	21.5	17.0	19.0
18	---	---	---	21.5	17.5	19.0	---	---	---	22.0	17.0	19.0
19	---	---	---	19.5	17.0	18.0	---	---	---	22.0	17.5	19.5
20	---	---	---	16.5	12.0	14.5	---	---	---	20.5	19.0	19.5
21	---	---	---	16.0	10.5	13.0	---	---	---	23.5	19.0	20.5
22	---	---	---	17.5	12.0	14.5	---	---	---	23.0	19.0	20.5
23	---	---	---	17.5	13.5	13.5	---	---	---	24.0	19.0	21.0
24	15.0	12.0	13.5	16.5	15.5	16.0	---	---	---	24.5	19.5	21.5
25	14.0	10.0	13.5	17.0	14.0	15.5	---	---	---	25.0	20.0	22.0
26	13.5	10.5	12.0	16.0	13.5	15.0	---	---	---	24.5	20.5	22.0
27	12.5	9.5	11.5	17.0	15.5	16.0	---	---	---	23.0	20.5	21.5
28	9.5	7.5	8.5	16.5	13.5	15.5	---	---	---	23.0	20.5	21.5
29	10.0	6.5	8.0	17.0	12.5	14.0	---	---	---	21.5	18.0	20.0
30	---	---	---	16.0	11.5	13.5	---	---	---	20.0	16.0	17.5
31	---	---	---	17.0	11.5	14.0	---	---	---	19.5	15.0	17.0
MONTH				22.0	6.0	14.0				25.0	15.0	20.0
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	15.5	17.5	24.0	21.5	22.5	---	---	---	27.5	21.5	24.0
2	21.0	16.0	18.0	24.5	21.5	22.5	---	---	---	27.0	21.5	23.5
3	21.0	17.0	18.5	24.0	22.0	23.0	---	---	---	26.5	22.0	23.5
4	20.5	17.5	19.0	25.0	22.0	23.0	---	---	---	23.5	20.5	22.0
5	21.5	18.5	20.0	24.5	22.5	23.5	---	---	---	25.0	19.0	21.0
6	21.0	20.0	20.5	25.5	22.5	23.5	---	---	---	24.5	18.0	20.5
7	23.0	20.0	21.0	25.5	22.5	23.5	---	---	---	24.0	18.0	20.5
8	23.5	21.0	22.0	23.5	22.5	23.0	---	---	---	25.0	20.0	22.0
9	23.5	20.5	21.5	25.0	22.0	23.0	---	---	---	24.0	21.0	22.0
10	23.5	20.5	21.5	25.5	22.5	23.5	---	---	---	26.0	21.0	23.0
11	23.0	20.5	21.5	26.0	23.0	24.0	---	---	---	25.5	21.0	23.0
12	26.0	21.0	22.5	24.0	23.0	23.5	---	---	---	25.5	21.0	23.0
13	25.0	21.0	22.5	23.5	22.0	22.5	---	---	---	25.5	21.0	22.5
14	26.0	20.5	23.0	25.5	22.0	23.0	---	---	---	25.0	21.0	22.5
15	26.5	21.0	23.0	26.0	22.0	23.5	---	---	---	22.5	21.5	22.0
16	25.0	21.5	22.5	26.5	22.5	24.0	---	---	---	22.5	20.5	21.0
17	25.5	21.0	22.5	25.5	22.5	23.5	---	---	---	22.5	19.5	20.5
18	25.5	21.0	22.5	26.0	22.5	24.0	---	---	---	21.5	19.5	20.5
19	26.5	21.0	22.5	25.5	22.0	23.5	---	---	---	22.5	20.0	21.0
20	26.0	21.0	23.0	25.5	21.0	23.0	---	---	---	22.5	19.5	21.0
21	26.5	21.5	23.5	24.5	21.0	22.5	27.5	22.0	24.0	---	---	---
22	26.0	22.0	24.0	25.0	21.5	23.0	27.0	22.5	24.0	---	---	---
23	26.0	22.0	24.0	24.0	20.5	22.0	26.5	22.0	24.0	---	---	---
24	27.0	22.5	24.0	---	---	---	26.0	20.5	23.0	---	---	---
25	27.0	22.0	24.0	---	---	---	25.5	20.0	22.5	---	---	---
26	26.0	20.5	23.0	---	---	---	26.0	21.0	23.0	---	---	---
27	23.5	21.5	22.0	---	---	---	27.0	22.0	23.5	---	---	---
28	24.5	21.0	22.5	---	---	---	27.0	22.5	24.0	---	---	---
29	25.5	21.5	22.5	---	---	---	26.5	22.0	23.5	---	---	---
30	23.5	22.0	22.5	---	---	---	27.0	21.5	23.5	---	---	---
31	---	---	---	---	---	---	27.5	22.0	24.0	---	---	---
MONTH	27.0	15.5	22.0									

07292500 HOMOCHITTO RIVER AT ROSETTA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi downstream from Foster Creek, and 4.0 mi upstream from Dry Creek.

DRAINAGE AREA.--750 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955.

GAGE.--Water-stage recorder. Datum of gage is 94.39 ft National Geodetic Vertical Datum of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site at different datum; December 1976 to April 1978, near right bank on downstream side of Illinois Central Railroad bridge, 800 ft upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--33 years, 1,122 ft^3/s, 20.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft^3/s Apr. 13, 1974, from rating curve extended above 47,000 ft^3/s; maximum gage height, 36.03 ft May 4, 1953; minimum discharge, 129 ft^3/s Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 11	1000	17000	15.23	Mar. 5	1515	*54600	19.91
Feb. 12	1945	33300	17.75				

Minimum daily discharge, 241 ft^3/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	322	304	635	876	519	822	838	667	465	414	279	259
2	319	306	573	768	496	683	840	658	452	366	273	250
3	315	306	770	690	587	681	5510	1470	444	346	277	261
4	314	315	2440	632	628	1180	2650	1500	439	327	276	266
5	314	354	992	586	514	29000	1500	814	437	318	282	257
6	307	336	1410	546	470	9280	1210	737	437	314	377	252
7	300	326	1100	511	443	3370	1140	689	536	304	376	248
8	300	343	585	473	444	2080	1160	2860	594	326	510	250
9	299	338	484	468	455	1540	1920	1680	420	464	355	250
10	293	328	452	1540	825	1220	1750	902	387	358	296	254
11	294	328	7990	1280	701	1040	1270	784	369	321	282	254
12	299	328	2780	689	10700	942	1180	725	445	302	296	266
13	319	329	1450	575	8940	980	1040	693	550	465	683	270
14	302	335	3340	525	2860	870	987	671	978	1030	978	284
15	288	349	1580	1330	1790	797	938	646	470	520	611	291
16	289	386	823	1970	4550	759	852	619	427	388	353	275
17	290	348	680	983	2750	725	821	598	417	343	309	261
18	296	339	601	2050	1350	695	790	591	476	322	298	255
19	296	360	513	3020	985	686	786	589	684	302	283	254
20	297	1010	457	1390	780	882	792	599	481	293	277	252
21	303	700	562	913	718	742	787	616	389	285	308	250
22	625	560	6490	778	675	659	778	625	352	283	283	257
23	523	1000	2000	760	576	640	753	641	342	431	404	292
24	360	730	1180	1170	518	2710	726	572	333	569	366	300
25	322	465	732	1660	469	3600	711	542	344	336	285	271
26	310	700	612	1050	712	1410	697	524	343	316	266	260
27	303	6000	820	817	7380	1130	721	941	634	287	259	257
28	299	7000	7920	713	2090	1090	718	816	775	281	254	254
29	297	1200	2670	654	1200	1010	700	561	408	366	258	246
30	298	710	1520	607	---	901	686	552	408	358	357	241
31	301	---	1050	550	---	857	---	486	---	294	287	---
TOTAL	9994	26433	55211	30574	55125	72981	35251	25368	14236	11629	10998	7837
MEAN	322	881	1781	986	1901	2354	1175	818	475	375	355	261
MAX	625	7000	7990	3020	10700	29000	5510	2860	978	1030	978	300
MIN	288	304	452	468	443	640	686	486	333	281	254	241
CFSM	.43	1.18	2.38	1.32	2.54	3.14	1.57	1.09	.63	.50	.47	.35
IN.	.50	1.31	2.74	1.52	2.73	3.62	1.75	1.26	.71	.58	.55	.39

CAL YR 1983 TOTAL 760118 MEAN 2083 MAX 58900 MIN 288 CFSM 2.78 IN 37.70
WTR YR 1984 TOTAL 355637 MEAN 972 MAX 29000 MIN 241 CFSM 1.30 IN 17.64

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1975 to September 1981.
WATER TEMPERATURE: January 1975 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
OCT 27...	1100	303	93	6.5	17.0	3.6	9.0	93	62	K9	15	0
JAN 31...	1800	504	74	6.9	10.5	13	9.3	83	120	72	13	0
MAY 29...	1230	539	72	7.0	25.5	24	8.1	99	150	K23	13	2
JUL 19...	1200	300	88	7.0	29.0	15	7.3	95	230	K63	15	0

DATE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
OCT 27...	3.7	1.4	12	61	1	1.2	16	3.0	18	<.10	14	64
JAN 31...	3.0	1.3	8.4	56	1	1.1	12	7.3	13	.10	13	61
MAY 29...	3.0	1.2	7.0	51	.9	1.7	11	3.1	12	.10	12	60
JUL 19...	3.6	1.4	9.8	56	1	1.4	14	2.6	16	<.10	13	64

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	SEDIMENT, SUSPENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 27...	64	.09	52	<.10	<.010	.50	.010	<.010	.010	6	--
JAN 31...	55	.08	83	<.10	.010	.70	.030	.020	<.010	41	89
MAY 29...	47	.08	87	.16	.100	1.2	.110	.010	.040	134	61
JUL 19...	57	.09	52	<.10	.070	.40	--	.070	.060	54	61

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)
OCT										
27...	10	1	41	<.5	1	<1	<3	1	250	1
JAN										
31...	20	1	45	<.5	2	9	<3	3	160	<1
MAY										
29...	<10	1	37	<.0	<1	2	<3	2	26	3
JUL										
19...	30	1	32	<.0	<1	<1	<3	<1	110	2

DATE	LITHIUM DISSOLVED (UG/L AS LI)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	NICKEL, DISSOLVED (UG/L AS NI)	SELENIUM, DISSOLVED (UG/L AS SE)	SILVER, DISSOLVED (UG/L AS AG)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)
OCT										
27...	<4	260	.1	<10	1	<1	<1	57	<6	5
JAN										
31...	<4	110	.2	<10	2	<1	<1	41	<6	10
MAY										
29...	7	26	.1	<10	1	<1	<1	36	<6	7
JUL										
19...	14	100	.4	<10	<1	<1	1	51	<6	14

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi downstream from Fords Creek, 2.8 mi west of Wilkinson, and 8.5 mi north of Woodville.

DRAINAGE AREA.--182 mi2.

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M).

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft National Geodetic Vertical Datum of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--42 years, 275 ft3/s, 20.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft3/s Mar. 25, 1973, gage height, 22.3 ft from floodmark, from rating curve extended above 35,000 ft^3/s; minimum, 16 ft^3/s Aug. 14, 18, 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 11,000 ft3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 12	1700	*28600	17.22	Mar. 5	1230	11000	12.92
Feb. 26	2330	12000	13.24				

Minimum daily discharge, 27 ft3/s Aug. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	85	167	193	156	268	159	98	98	56	36	41
2	46	83	140	173	152	252	187	95	101	51	33	40
3	46	80	520	155	393	245	1300	144	102	47	31	40
4	46	88	776	140	261	240	376	104	102	45	27	43
5	45	153	226	131	185	4060	249	93	108	43	101	45
6	46	95	296	123	163	891	220	88	110	42	300	42
7	45	98	175	120	154	372	206	81	409	40	78	42
8	45	89	135	118	149	310	240	142	165	56	101	46
9	45	80	118	121	152	280	275	100	132	172	56	48
10	45	75	109	990	518	258	198	85	125	63	39	48
11	45	72	2560	259	259	195	233	81	126	45	32	54
12	49	72	518	178	8180	180	194	76	215	40	219	50
13	54	73	288	162	1850	1250	175	76	137	45	177	67
14	46	73	637	159	640	420	165	77	157	103	68	55
15	42	90	236	937	363	295	154	77	170	81	56	58
16	43	82	168	485	895	250	149	76	282	48	43	52
17	45	71	152	313	355	225	144	78	164	55	39	53
18	45	69	130	1440	263	208	137	81	510	39	39	55
19	45	76	113	742	222	195	133	81	774	35	37	56
20	45	572	108	343	212	184	122	93	135	32	47	56
21	46	148	238	268	204	175	117	105	77	31	50	56
22	2350	123	1060	238	198	177	118	199	63	30	39	60
23	340	1220	242	251	192	160	110	118	57	672	191	81
24	182	453	169	263	190	2260	103	102	55	358	76	93
25	140	185	157	239	233	759	100	99	84	300	51	64
26	119	142	160	210	1510	350	103	98	57	230	45	58
27	107	2510	358	194	2570	275	109	100	53	57	44	57
28	99	962	2320	180	452	230	104	99	71	148	42	55
29	93	319	504	172	280	196	102	96	110	973	46	53
30	90	208	281	163	---	178	100	94	71	83	47	52
31	87	---	224	160	---	171	---	96	---	48	47	---
TOTAL	4567	8446	13285	9620	21351	15509	6082	3032	4820	4068	2237	1620
MEAN	147	282	429	310	736	500	203	97.8	161	131	72.2	54.0
MAX	2350	2510	2560	1440	8180	4060	1300	199	774	973	300	93
MIN	42	69	108	118	149	160	100	76	53	30	27	40
CFSM	.81	1.55	2.36	1.70	4.04	2.75	1.12	.54	.89	.72	.40	.30
IN.	.93	1.73	2.72	1.97	4.36	3.17	1.24	.62	.99	.83	.46	.33

CAL YR 1983 TOTAL 174691 MEAN 479 MAX 22500 MIN 42 CFSM 2.63 IN 35.71
WTR YR 1984 TOTAL 94637 MEAN 259 MAX 8180 MIN 27 CFSM 1.42 IN 19.34

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202 near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi^2.

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft higher.

AVERAGE DISCHARGE.--34 years, 922 ft^3/s, 21.59 in/yr.

REMARKS.--Records good, prior to Apr. 1 and poor thereafter. No gage-height record from Feb. 15 to Mar. 18.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft^3/s Apr. 22, 1977, gage height, 21.76 ft; minimum, 188 ft^3/s Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,000 ft^3/s Feb. 14, gage height 14.56 ft, only peak above base of 8,000 ft^3/s; minimum, 255 ft^3/s Sept. 30, gage height 2.66 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323	365	684	1070	587	1410	623	408	339	468	446	295
2	320	370	579	885	570	1020	622	403	339	485	434	293
3	320	375	558	777	761	880	2790	408	343	524	421	299
4	317	380	1020	706	1460	810	3410	410	342	527	402	335
5	317	454	1020	658	1060	1140	1940	470	341	513	384	327
6	316	471	995	623	818	2220	1070	455	344	491	427	323
7	312	418	1230	592	699	2190	841	432	343	458	458	319
8	312	406	975	562	645	1460	832	441	342	471	847	314
9	315	406	715	550	623	940	1050	734	338	459	1170	311
10	315	397	608	932	826	780	1820	658	338	461	532	308
11	321	392	2460	1180	933	710	1170	521	337	447	432	302
12	339	393	4200	1000	1830	680	882	450	348	441	428	299
13	359	400	2450	799	9430	1090	728	398	364	429	409	296
14	351	412	1320	703	10500	1470	652	380	362	469	448	292
15	334	429	1150	826	5530	920	601	372	357	1130	537	291
16	337	431	961	1600	3850	740	579	363	502	946	532	290
17	340	385	784	1470	3310	650	553	356	518	740	492	287
18	340	349	688	1760	2260	700	527	351	455	578	378	286
19	344	331	628	3870	1570	732	511	349	694	557	365	285
20	343	886	581	3140	1270	1120	495	361	676	541	349	282
21	338	958	557	1690	1190	1020	485	374	467	517	341	281
22	362	503	726	1180	920	831	474	423	399	474	330	281
23	465	681	1500	972	800	729	459	529	388	428	498	283
24	419	2330	1280	913	720	913	444	465	389	392	476	282
25	376	1480	794	952	810	3760	433	394	396	564	351	280
26	361	772	643	902	4100	2880	427	374	446	509	336	279
27	356	701	653	820	6390	1410	428	370	470	472	318	276
28	358	2810	3440	740	5160	1030	426	371	664	444	308	274
29	357	2050	4570	688	2890	860	421	360	1040	407	304	269
30	361	988	3710	652	---	737	416	349	573	499	302	260
31	364	---	1730	612	---	670	---	341	---	481	300	---
TOTAL	10692	21723	43209	33824	71512	36502	26109	13070	13254	16322	13755	8799
MEAN	345	724	1394	1091	2466	1177	870	422	442	527	444	293
MAX	465	2810	4570	3870	10500	3760	3410	734	1040	1130	1170	335
MIN	312	331	557	550	570	650	416	341	337	392	300	260
CFSM	.60	1.25	2.40	1.88	4.25	2.03	1.50	.73	.76	.91	.77	.51
IN.	.69	1.39	2.77	2.17	4.59	2.34	1.67	.84	.85	1.05	.88	.56

CAL YR 1983 TOTAL 641548 MEAN 1758 MAX 58500 MIN 269 CFSM 3.03 IN 41.15
WTR YR 1984 TOTAL 308771 MEAN 844 MAX 10500 MIN 260 CFSM 1.46 IN 19.80

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1984

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Mobile River basin					
02434000	Town Creek at Tupelo, MS	Lat 34°17'39", long 88°42'32", in SW¼ SE¼ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 0.5 mi north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft higher.	111	1944-46 , 1952-70 , 1971-84	05-19-83 12- 3-83	25.66 23.99	a18,500 16,000
02435800	Coonewah Creek at Shannon, MS	Lat 34°08'17", long 88°43'08", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 1.0 mi north of Shannon and 4.5 mi upstream from mouth.	53.1	1953-84	12- 3-83	16.88	(†)
02435930	Shell Creek near Tupelo, MS	Lat 34°14'13", long 88°49'13", in NW¼SE¼ SW¼ sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 6.6 mi west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft lower.	.20	1955-84	5- 8-84	5.70	149
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", long 88°43'20", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi above Gulf, Mobile and Ohio Railroad bridge.	145	1952-67 , 1968-84	12- 3-83	13.43	22,500
02437300	Mattubby Creek near Aberdeen, MS	Lat 33°52'13", long 88°35'46", in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 mi above Wolf River, and 4.1 mi northwest of Aberdeen.	92.2	1937, 1952-84	12- 3-83	94.06	12,100
02437550	Nichols Creek tributary near Quincy, MS	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mi southeast of Quincy.	.54	1967-84	12- 3-83	5.56	145
02437600	James Creek at Aberdeen, MS	Lat 38°48'48", long 88°33'59", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on State Highway 25, 0.4 mi southwest of Aberdeen.	28.4	1964-68 , 1969-84	12- 3-83	14.85	6,330

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1984--Continued

Station No.	Station Name	Location	Drainage area (mi2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft^3/s)
		Mobile River basin--Continued					
02439980	Chuquatonchee Creek near Okalona, MS	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County at bridge on State Highway 32, 7.5 mi west of Okolona.	b66.7	1963-68, 1969-80, 1984	12- 4-83	(c)	(†)
02439997	Chuquatonchee Creek tributary near Trebloc, MS	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 8, 1.5 mi east of Trebloc.	.72	1967-84	11-24-83	8.79	460
02440000	Chuquatonchee Creek near Egypt, MS	Lat 33°50'24", long 88°45'40", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 8, 4.5 mi southwest of Egypt.	167	1952-73, 1974-84	12- 4-83	(c)	(†)
02440400	Houlka Creek near McCondy, MS	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, at bridge on State Highway 47, 2.8 mi south of McCondy.	189	1963-68, 1969-84	12- 3-83	15.96	16,300
02440500	Chuquatonchee Creek near West Point, MS	Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., R.6 E., Chickasaw Meridian, Clay County, at bridge, State Highway 50, 3.0 mi west of West Point.	505	1944-73, 1974-84	12- 4-83	22.46	37,700
02440600	Line Creek near Maben, MS	Lat 33°39'17", long 89°03'41" in S½ sec.26 T.16 S., R.2 E., Chickasaw Meridian, Webster County, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7.0 mi north of Maben.	4.76	1952-84	12- 3-83	28.33	7,540
02440800	Trim Cane Creek near Starkville, MS	Lat 33°28'08", long 88°54'30", in W½ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3.0 mi above Biba Wila Creek, and 6.0 mi west of Starkville.	44.9	1952-84	12- 3-84	27.02	7,320
02441220	Sand Creek tributary near Mayhew, MS	Lat 33°28'37", long 88°43'23", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, on U.S. Highway 82, 3.7 mi west of Mayhew.	.44	1966-84	4-27-84	8.75	395
02441300	Catalpa Creek at Mayhew, MS	Lat 33°28'53", long 88°37'42", in NE¼ SW¼ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mi east of Mayhew.	98.0	1963-68, 1969-84	12- 3-83	20.48	18,500
02443000	Luxapallila Creek at Steens, MS	Lat 33°33'35", long 88°18'55" in NE¼ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, on county highway, 0.2 mi southeast of Steens.	309	1944-47, 1950-77, 1978-84	12- 4-83	18.58	13,300
02443700	Cedar Creek near Brooksville, MS	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw Meridian, Lowndes County, at culvert on U.S. Highway 45, 7.5 mi north of Brooksville.	.49	1965-84	4-27-84	8.32	552
02447220	Bogue Fallah Creek tributary near Ackerman, MS	Lat 33°20'12", long 89°07'05", in SW¼ sec.14, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 12, 4.1 mi northeast of Ackerman.	.34	1966-84	12- 3-83	5.44	160
02448620	Flat Scooba Creek tributary near Scooba, MS	Lat 32°50'27", long 88°28'08", in SE¼ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mi north of Scooba.	.44	1967-84	5- 4-84	4.77	82

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1984--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft^3/s)
		Mobile River basin--Continued					
02469672	Little Okatuppa Creek near Quitman, MS	Lat 32°05'06", long 88°27'16", in NW¼ SE¼ sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, on State Highway 18, 17.6 mi east of Quitman.	4.35	1966-84	2-27-84	9.01	1,850
		Pascagoula River basin					
02471100	Leaf River near Raleigh, MS	Lat 32°00'47", long 89°25'58", in SE¼SE¼ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, at bridge on State Highway 18, 6.0 mi east of Raleigh.	143	1940-43d 1957-84		(e)	<4,800
02471250	Leaf River at Taylorsville, MS	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, on State Highway 28, 1.0 mi east of Taylorsville.	459	1968-84	3- 5-84	240.41	6,700
02471500	Oakohay Creek at Mize, MS	Lat 31°52'00", long 89°32'49", in NW¼, sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, on State Highway 28, at Mize.	185	1943-49 , 1968-84	3- 5-84	286.15	3,900
02472160	Big Creek tributary near Laurel, MS	Lat 31°41'16", long 89°19'34", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, on U.S. Highway 84, 11.4 mi west of Laurel.	.17	1966-84	5-22-84	6.02	179
02472420	Bowie Creek near Sanford, MS	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, at bridge on State Highway 589, 5.0 mi southwest of junction with U.S. Highway 49.	262	1968-84	12-28-84	19.86	5,190
02472810	Okatoma Creek tributary No. 2 near Collins, MS	Lat 31°36'36", long 89°32'06", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, at culvert on U.S. Highway 49, 1.6 mi south of Collins.	.21	1967-84	12-28-83	5.44	118
02473047	Gordon Creek at Broad Street at Hattiesburg, MS	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-84	2-27-84	9.64	1,180
02473480	Tallahattah Creek near Waldrup, MS	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. stephens Meridian, Jasper County, on paved county road, 8.7 mi south of Waldrup.	30.4	1965-70 , 1971-84	3- 6-84	13.94	756
02473498	Tallahala Creek tributary at 8th St. at Laurel, MS	Lat 31°41'55", long 89°07'44", in SE¼ sec.32, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at wooden box bridge of 8th Street in park, 200 ft east of 4th Ave. in Laurel.	1.12	1975-84	4- 9-84	237.54	480
02473610	Tallahala Creek tributary No. 2 at Grandview Dr., at Laurel, MS	Lat 31°40'44", long 89°09'19", in N½ sec.12, T.8 N., R.12 W., St. Stephens Meridian, Jones County, at bridge at intersection of Grandview Drive and West Drive in Laurel.	1.52	1975-84	4- 9-84	229.12	367
02473850	Tallahoma Creek tributary at Lake Como, MS	Lat 31°57'43", long 89°12'18", on line between SE¼ sec.31, T.1 N., and NE¼ sec.6, R.11 E., (revised) Choctaw Meridian, Jasper County at culvert on State Highway 528, 0.5 mi east of Lake Como.	3.21	1966-84	2-12-84	7.15	700
02474650	Buck Creek near Runnelstown, MS	Lat 31°21'50", long 89°03'08", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, at bridge on State Highway 42, 2.5 mi above mouth, and 3.7 mi east of Runnelstown.	20.8	1951-84	12-28-83	10.01	1,750

Annual maximum discharge at crest-stage partial-record stations during water year 1984--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Date	Gage height (feet)	Dis-charge (ft^3/s)
		Pascagoula River basin--Continued					
02475050	Waterfall Branch near McLain, MS	Lat 31°07'08", long 88°45'28", in SW¼ NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 57, 4.2 mi east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower.	0.65	1955-84	2-27-84	6.30	236
02475220	Little Rock Creek tributary near Little Rock, MS	Lat 32°30'51", long 89°00'45", in NW¼ sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, at culvert on State Highway 494, 1.2 mi southeast of Little Rock.	.22	1965-84	5- 3-84	2.99	23
02477050	Souinlovey Creek near Baxter, MS	Lat 32°13'10", long 89°09'30", in NE¼ sec.3 T.4 N., R.11 E., Choctaw Meridian, Jasper County, at culvert on State Highway 15, 2.6 mi north of Baxter.	1.14	1965-84	11-20-83	6.76	303
02477090	Powers Creek near Rose Hill, MS	Lat 32°07'06", long 89°02'14", in NE¼ sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County at culvert on State Highway 18, 3.0 mi southwest of Rose Hill.	.52	1965-84	2-12-84	5.05	166
02477330	Shubuta Creek near Shubuta, MS	Lat 31°53'04", long 88°44'20" in NW¼ sec. 35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, at county highway 1.5 mi northwest of Shubuta, and 5.0 mi above mouth.	75.5	1963-84	3- 5-84	15.62	1,940
02478600	Granny Branch at Piave, MS	Lat 31°23'27", long 88°44'54", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 63, 0.3 mi southwest of Piave.	.69	1967-84	5- 3-84	6.77	433
02479187	Red Creek tributary near Wiggins, MS	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County on State Highway 26, 5.3 mi west of Wiggins.	.22	1966-84	12-28-83	4.94	48
		Tchoutacabouffa River basin					
02480500	Tuxachanie Creek near Biloxi, MS	Lat 30°31'35", long 88°54'40", in SE¼ NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 15 7.0 mi north of city limits of Biloxi.	92.4	1952-71, 1972-84	12-11-83	16.00	4,300
		Biloxi River basin					
02481130	Biloxi River near Lyman, MS	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 mi downstream from Little Biloxi River, 4.6 mi east of Lyman.	251	1965-84	12-11-83	18.30	13,100
		Pearl River basin					
02482100	Indian Branch near Edinburg, MS	Lat 32°46'52", long 89°25'28", in NW¼NE¼NE¼ Sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, on State Highway 16, 5.4 mi west of Edinburg.	1.91	1966-84	5- 3-84	3.74	342
02482310	Lobutcha Creek tributary at Wamba, MS	Lat 33°01'45" long 89°26'50", in NW¼ sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 0.3 mi west of Wamba.	0.94	1965-84	5- 4-84	6.22	330
02483890	Yockanookany River tributary near McCool, MS	Lat 33°10'06", long 89°25'28", in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, at culvert on State Highway 12, 4.0 mi southwest of McCool.	.34	1965-84	12- 3-83	3.69	108

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1984--Continued

Station No.	Station Name	Location	Drainage area (mi2)	Period of record	Annual maximum Date	 Gage height (feet)	 Dis-charge (ft3/s)
		Pearl River basin--Continued					
02484600	Coffee Bogue at Ludlow, MS	Lat 32°34'25", long 89°43'48", in N½ of line between sec.1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, at bridge on county road, 1.0 mi west of Ludlow.	77.0	1975-84	5- 3-84	11.93	2,110
02484750	Red Cane Creek tributary near Pisgah, MS	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 4.1 mi east of Pisgah.	.10	1965-84	11-19-83	5.27	74
02484760	Fannegusha Creek near Sand Hill, MS	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, at bridge on county road, 3.9 mi east of Sand Hill.	52.3	1975-84	3- 5-84	11.02	2,760
02485380	Hollybush Creek tributary No. 1 near Pisgah, MS	Lat 32°26'00", long 89°48'50", in NW¼ sec.20, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at culvert on State Highway 43, 7.2 mi southeast of Pisgah.	.59	1965-84	11-19-83	5.48	207
02485392	Clear Creek tributary near Pelahatchie, MS	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.5 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 3.3 mi north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-84	5- 3-84	4.68	60
02485650	Purple Creek at Jackson, MS	Lat 32°22'48", long 90°07'19", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, at Old Canton Road bridge in Jackson, and 1.5 mi above mouth.	6.12	1952-84	5-20-83 3- 5-84	a(c) 8.48	a(†) 820
02485800	Eubanks Creek at Jackson, MS	Lat 32°20'23", long 90°09'52", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi upstream from mouth. Prior to Oct. 1, 1959, 1,600 ft downstream at datum 0.74 ft lower.	f3.21	1954-84	12-11-83	9.97	1,590
02485900	Neely Creek near Brandon, MS	Lat 32°17'59", long 90°04'13", in SW¼ sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at culvert on New Airport Road, 5.4 mi west of Brandon.	1.09	1965-84	3- 5-84	3.33	165
02485950	Town Creek at Jackson, MS	Lat 32°18'14", long 90°11'32", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft above Illinois Central Railroad.	11.4	1953-84	5- 3-84	6.50	1,630
02486100	Lynch Creek at Jackson, MS	Lat 32°17'04", long 90°12'52", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft below U.S. Highway 80, and 2.0 mi above mouth. Prior to Oct. 1, 1958, at site 2,000 ft upstream.	12.0	1955-84	5- 3-84	13.64	2,960
02486115	Three Mile Creek at Jackson, MS	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, 300 ft downstream from old U.S. Highway 51 (Terry Road), 0.6 mi above Illinois Central Railroad.	1.05	1962-84	8-22-84	7.69	594
02487300	Strong River near Puckett, MS	Lat 32°03'48", long 89°44'50", in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, at State Highway 18, 2.0 mi. southeast of Puckett.	248	1958-84	3- 5-84	21.34	4,200

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1984--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft³/s)
		Pearl River basin--Continued					
02487500	Strong River at D'Lo, MS	Lat 31°58'40", long 89°53'53", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mi south of D'Lo.	425	1928-71 , 1972-84	3- 6-84	21.38	6,220
02487670	Boggans ditch near Mendenhall, MS	Lat 31°53'16", long 89°53'12", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, at culvert on State Highway 13, 5.5 mi south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft higher.	.94	1955-84	12-28-83	3.78	123
02487900	Copiah Creek near Hazlehurst, MS	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on State Highway 28, 6.2 mi east of Hazlehurst.	47.4	1948-65 , 1966-68 , 1969-84	3- 5-84	14.29	3,540
02488340	Small Pine ditch near Monticello, MS	Lat 31°32'53", long 90°15'38", in SW¼NW¼ sec.25, T.7 N., R.9 E., Washington Meridian, Lincoln County, at culvert on U.S. Highway 84, 9.0 mi west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft higher.	.16	1955-77, 1981-84	2-12-84	4.85	86
02488550	Goines Draw near Prentiss, MS	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 12.2 mi north of Prentiss.	.34	1955-84	12-28-83	2.24	65
02489030	Elmers Draw near Columbia, MS	Lat 31°11'58", long 89°57'57", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, at U.S. Highway 98, 5.7 mi west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher.	.91	1955-84	12-28-83	7.03	345
02490550	Middle Fork Hickory Flat near Tylertown, MS	Lat 31°09'40", long 90°13'05", on line between secs.5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mi above Fernwood, Columbia, and Gulf Railroad, and 5.5 mi northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft lower.	1.46	1953-84	4- 3-84	4.95	261
02492360	West Hobolochitto Creek near McNeill, MS	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on county road, 3.1 mi west of McNeill.	175	1966-68 , 1969-84	2-27-84	19.03	4,700
		Yazoo River basin					
07267000	Hell Creek near New Albany, MS	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County at bridge on U.S. Highway 78, 3.0 mi northwest of New Albany, and 4.5 mi above mouth.	27.3	1939-42 , 1952-84	12- 4-83	12.39	7,190
07268500	Cypress Creek near Etta, MS	Lat 34°26'30", long 89°17'25", in SE¼ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi southwest of Etta, and 5.0 mi above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42 , 1952-84	5- 8-84	17.01	[a]8,100
07269000	North Tippah Creek near Ripley, MS	Lat 34°44'00", long 89°01'34", in SW¼ sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, at bridge on State Highway 4, 2.0 mi upstream from Tippah Creek, and 5.5 mi west of Ripley.	20.0	1939-42 , 1952-84	12- 4-83	17.35	3,870

See footnotes at end of Table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1984--Continued

Station No.	Station Name	Location	Drainage area (mi²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft³/s)
		Yazoo River basin--Continued					
07274250	Otoucalofa Creek at Water Valley, MS	Lat 34°08'26", long 89°38'15", in SW¼ NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mi south of Water Valley, and 5.2 mi above mouth.	84.1	1952-84	12- 4-83	27.45	13,600
07275500	Long Creek at Courtland, MS	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, at bridge on U.S. Highway 51, 1.0 mi south of Courtland, 5.5 mi above mouth, and 6.0 mi south of Batesville.	66.2	1940-43 1952-84	12- 3-83	12.60	b13,000
07283490	Caney Creek near Coffeeville, MS	Lat 33°55'40", long 89°38'20", in SE¼ NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, at culvert on State Highway 330, 4.2 mi east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft lower.	1.97	1955-84	5- 8-84	7.33	920
07285700	Long Creek near Cascilla, MS	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, at culvert on county highway, 1.1 mi east of Cascilla.	1.64	1965-84	5- 8-84	12.70	1,860
07286520	Big Sand Creek tributary near North Carrollton, MS	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, at 3.0 ft corrugated pipe on county highway 2.4 mi east of North Carrollton.	.09	1965-84	12- 3-83	6.01	52
07287165	Mosquito Lake tributary No. 1 at Itta Bena, MS	Lat 33°28'55", long 90°19'30", in SE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.5 mi south of compress at Itta Bena.	.11	1966-84	12- 3-83	5.14	72
07287170	Mosquito Lake tributary No. 2 at Itta Bena, MS	Lat 33°28'45", long 90°19'20", in NE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.8 mi south of compress at Itta Bena.	0.13	1966-84	12- 3-83	4.20	78
07287350	Fannegusha Creek near Tchula, MS	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, on State Highway 12, east of Tchula.	100	1953-65g, 1968-84	3- 5-84	17.76	6,470
		Big Black River basin					
07289265	Hays Creek tributary No. 1 near Vaiden, MS	Lat 33°23'10", long 89°46'07", in SE¼SW¼ sec.27, T.18 N., R.5 E., Choctaw Meridian, Carroll County, at bridge on U.S. Highway 51, 3.9 mi north of Vaiden.	14.0	1975-84	12- 3-83	26.67	2,240
07289395	Sharkey Creek tributary near West, MS	Lat 33°08'47", long 89°44'27", in NW¼ sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 4.7 mi southeast of West.	.30	1967-84	12- 3-83	7.27	130
07289470	Tacketts Creek tributary near Pickens, MS	Lat 32°55'49", long 89°58'23", on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, at culvert on State Highway 17, 3.6 mi north of Pickens.	.15	1965-84	5- 3-84	7.03	219
07239600	Tilda Bogue near Canton, MS	Lat 32°39'15", long 90°00'05", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, at bridge on U.S. Highway 51, 3.0 mi north of Canton, and 3.5 mi above mouth.	24.4	1948-84	3- 5-84	17.70	(†)

See footnotes at end of Table.

Annual maximum discharge at crest-stage partial-record stations during water year 1984--Continued

Station No.	Station Name	Location	Drainage area (mi^2)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (ft^3/s)
		Big Black River basin--Continued					
07289641	Panther Creek tributary near Flora, MS	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at culvert on State Highway 22, 8.3 mi northeast of Flora.	.07	1965-84	5- 3-84	4.15	68
07290005	Clear Creek near Bovina, MS	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw Meridian, Warren County, on county road, 1.0 mi northeast of Bovina.	a36.0	1953-84	3- 5-84	23.13	4,020
		Bayou Pierre basin					
07290525	Whiteoak Creek tributary near Utica, MS	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County at culvert on State Highway 27, 6.3 mi southeast of Utica.	1.36	1965-84	3- 5-84	6.95	210
07290690	Clarks Creek near Pattison, MS	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, at bridge on county highway, 1.3 mi above mouth, and 2.5 mi east of Pattison.	77.4	1961-62 , 1963-84	3- 5-84	22.19	13,300
07290830	Little Creek near Fayette, MS	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, at culvert on State Highway 33, 2.0 mi south of Fayette.	1.71	1967-84	3- 5-84	9.41	736
07290870	Coles Creek near Fayette, MS	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, at bridge on county highway, 0.7 mi below confluence of North and South Forks of Coles Creek, and 10.0 mi northwest of Fayette.	257	1961-62 , 1963-84	3- 5-84	27.13	33,000
		Homochitto River basin					
07291250	McCall Creek near Lucien, MS	Lat 31°30'24", long 90°38'45", in SW¼, sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, at U.S. Highway 84, 0.8 mi east of Lucien.	a60.0	1953, 1955-84	3- 5-84	84.66	9,060
		Thompson Creek basin					
07373550	Moores Branch near Woodville, MS	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, at State Highway 24, 3.3 mi east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower.	.21	1955-84	11-23-83	4.91	198
		Missisippi River Delta					
07375235	Tangipahoa River tributary near McComb, MS	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington Meridian, Pike County, on State Highway 24, 4.8 mi southwest of McComb.	2.71	1966-84	2-12-84	4.68	120
07376760	CRS Draw near Liberty, MS	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, on State Highway 48, 6.6 mi west of intersection with State Highway 24 in Liberty.	.80	1966-84	2-12-84	7.76	400

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† Discharge not determined.
  Operated as a continuous-record gaging station.
a Revised.
b Approximately.
c High-water mark was not determined.
d Gage heights and discharge measurements in files of Corps of Engineers.
e Peak stage did not reach bottom of gage.
f Total drainage area 5.19 mi^2.
g Published at site near Howard, 3 mi downstream.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1984

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft³/s)
		Mobile River basin				
02429975 Black Branch	Mackeys Creek	Lat 34°39'53", long 88°15'00", in N½ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Illinois Central Railroad bridge, 0.5 mi north of Paden.	1.45	1972, 1974, 1976-78, 1980-83	8- 2-84	*0.38
02429985 Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.8 mi southwest of Paden.	1.25	1972, 1974, 1976-83	8- 2-84	*.54
02430500 Tombigbee River	Mobile River	Lat 34°25'34", long 88°25'17", in SE¼ sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County, at bridge on improved road, 0.5 mi downstream from confluence of Big Brown Creek canal and Mackeys Creek, 3.5 mi upstream from Donivan Creek canal, 6 mi southeast of Marietta and 10 mi north of Fulton.	308	1973-83	8- 7-84	62.6
02437560 Nichols Creek	Tombigbee River	Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County,on U. S. Highway 45, 3.2 mi southeast of Aberdeen.	24.1	1977-83	8-28-84	*2.63
		Pascagoula River basin				
02472820 Okatoma Creek	Bowie Creek	Lat 31°33'45", long 89°30'15", in NE¼ sec.21, T.7 N., R.15 W., St. Stephens Meridian, Covington County, on State Highway 590, 0.1 mi west of Seminary.	204	1961, 1972, 1980-83	11-15-83 6-12-84 7-25-84 9-11-84	107 *101 *107 90.7
02479100 Black Creek	Pascagoula River	Lat 31°11'24", long 89°22'36", in SW¼ sec.26, T.3 N., R.14 W., St. Stephens Meridian, at bridge on U. S. Highway 11, 1.2 mi downstream from Sandy Run Creek, and 4 mi northeast of Purvis.	171	1957-59, 1961, 1963, 1967, 1972, 1975-77, 1979-80, 1982-83	10-25-83 7- 9-84 8-20-84	74.7 329 83.0
		Pearl River basin				
02481807 Tallahaga Creek	Pearl River	Lat 33°02'17", long 89°05'00", in S½ sec.29, T.14 N., R.12 E., Choctaw Meridian, in Winston County, on county road, 6 mi south of Louisville.	55.0	--	2- 2-84 5-10-84	55.1 103
02481814 Hughes Creek	Tallahaga Creek	Lat 33°01'24", long 89°02'48", in SE¼ sec.34, T.14 N., R.14 E., Choctaw Meridian, Winston County, on a dirt farm road, 2 mi north of Noxapater.	--	--	2- 2-84 5-11-84	15.3 23.0
02486610 Indian Creek	Steen Creek	Lat 32°09'18", long 90°07'17", in SW¼ sec.19, T.4 N., R.2 E., Choctaw Meridian, Rankin County, on State Highway 469, 0.5 mi West of Florence.	5.02	1953-56, 1983	11-23-83	687

Discharge measurements made at miscellaneous sites during water year 1984--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
		Pearl River basin--Continued				
02489000 Pearl River	Gulf of Mexico	Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, on U. S. Highway 98, 1.5 mi southwest of Columbia.	5720	1928-54, 1955, 1958, 1960-64, 1972, 1974, 1979-83	10-18-83 11-29-83 6-20-84 8- 1-84 9-10-84	1,510 13,800 1,360 3,270 1,510
02490241 West Bogue Chitto trib. No. 1	Bogue Chitto	Lat 31°33'40", long 90°30'15", in NW¼NE¼ sec.16, T.7 N., R.7 E., Washington Meridian, Lincoln County, 3.5 mi west of Brookhaven.	28.2	--	4- 4-84 4- 4-84	1.87 1.90
02490246 West Bogue Chitto	Bogue Chitto	Lat 31°33'30", long 90°29'52", in NW¼SW¼ sec.22, T.7 N., R.7 E., Washington Meridian, Lincoln County, at bridge on county road, 2 mi east of Zetus.	18.5	--	11-28-83 11-29-83 11-30-83 12-21-83 2- 2-84 3- 8-84 4- 3-84 4- 4-84 5-16-84 8-20-84 9-12-84	18.0 3.70 2.32 1.00 3.28 16.3 606 52.4 .61 .36 .03
02490248 Doolittle Creek	Bogue Chitto	Lat 31°33'08", long 90°30'06", in NW¼NE¼ sec.28, T.7 N., R.7 E., Washington Meridian, Lincoln County, 1.8 mi southeast of Zetus.	2.08	--	4- 4-84 9-12-84	10.1 .38
02490900 Bogue Chitto	Pearl River	Lat 31°01'22", long 90°12'33", in SE¼NE¼ sec.29, T.1 N., R.10 E., Washington Meridian Walthall County, at 1.5 mi west of Lehr.	785	1969, 1971, 1976, 1979, 1982-83	10-18-83 11-29-83 6-20-84 8- 1-84 9-10-84	493 885 502 597 590
		Tennessee River basin				
03592708 Little Yellow Creek	Yellow Creek	Lat 34°47'06", long 88°16'45", in SE¼ sec.30, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 3.5 mi east of Holts Spur.	7.14	1980-83	8- 2-84	*2.52
		Yazoo River basin				
07268500 Cypress Creek	Bay Springs Branch	Lat 34°26'00", long 89°17'00", in S½ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi southwest of Etta.	a8.5	1939-43, 1965, 1971, 1973, 1983	8-24-84	7.33
07268510 Puskus Creek	Cypress Creek	Lat 34°26'42", long 89°19'57", in SW¼NW¼ sec.29, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on county road, 5 mi southwest of Etta.	--	--	8-24-84	7.54
07273660 Coon Creek	McCloons Creek	Lat 34°12'32", long 89°15'46", in NW¼SW¼ sec.13, T.10 S., R.1 W., Chickasaw Meridian, Lafayette County, on county road, 3 mi Southwest of Toccopola.	--	--	8-16-84	2.58
07273690 Muckaloon Creek	Yocona River	Lat 34°14'02", long 89°17'39" in NE¼NW¼ sec.10, T.10 S., R.1 W., Chickasaw Meridian, Lafayette County, on county road, 4 mi east of Tula.	--	--	8-16-84	.40
07273850 Potlockney Creek	Moore Creek	Lat 34°13'16", long 89°23'41", in SW¼SE¼ sec.10, T.10 S., R.2 W., Chickasaw Meridian, Lafayette County, on county road, 2 mi southwest of Tula.	--	--	8-17-84	.95

Discharge measurements made at miscellaneous sites during water year 1984--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
		Yazoo River basin--Continued				
07273950 Pumpkin Creek	Yocona River	Lat 34°17'18', long 89°26'42", in SW¼NE¼ sec.19, T.9 S., R.2 W., Chickasaw Meridian, Lafayette County, on County Road 334, 6 mi southwest of Denmark.	--	--	8-13-84	3.69
07274237 Otoucalofa Creek	Sarter Creek	Lat 34°10'10", long 89°27'24", in SW¼NW¼ sec.31, T.10 S., R.2 W., Chickasaw Meridian, Lafayette County, on county road, 0.5 mi south of Paris.	--	--	8-17-84	2.34
07282898 McGill Creek	Lucknuck Creek	Lat 34°05'18", long 89°15'54", [illegible] NE¼ sec.35, T.11 S., R.1 W., Chickasaw Meridian, Calhoun County, on county road, 2.8 mi southeast of Sarepta.	--	--	8-15-84	2.66
07282904 Savannah Creek	Lucknuck Creek	Lat 34°02'50", long 89°16'22", in SW¼ sec.11, T.12 S., R.1 W., Chickasaw Meridian, Calhoun County, on State Highway 32, 6.4 mi northwest of Bruce.	--	--	8-14-84	.48
07282980 Cowpen Canal	Skuna River Canal	Lat 34°00,24", long 89°18'54", in SE¼ sec.29, T.12 S., R.1 W., Chickasaw Meridian, Calhoun County, on State Highway 32, 2.25 mi northeast of Bruce.	--	--	8-14-84	3.13
07283208 Persimmon Creek	Skuna River	Lat 34°02'02", long 89°26'04", in SW¼ sec.17, T.12 S., R.2 W., Chickasaw Meridian, Calhoun County, on county road, 5.5 mi northwest of Bruce.	--	--	8-14-84	.32
07283465 Unnamed Creek	Skuna Creek	Lat 33°56'15", long 89°31'20", in NW¼NW¼ sec.24, T.24 N., R.7 E., Choctaw Meridian, Yalobusha County, at bridge on State Highway 330, 0.4 mi west of Benwood and 0.6 mi east of Tyson.	--	--	8-15-84	1.70
07283478 York Creek	Skuna River	Lat 33°55'35", long 89°35'48", in SE¼SE¼ sec.19, T.24 N., R.7 E., Choctaw Meridian, Yalobusha County, on State Highway 330, 5 mi southeast of Coffeeville.	--	--	8-15-84	4.94
07283720 Turkey Creek	Skuna River	Lat 34°00'49", long 89°36'28", in SW¼SW¼ sec.19, T.25 N., R.7 E., Choctaw Meridian, Yalobusha County, on county road, 1.5 mi southeast of Velma.	7.53	--	8-23-84	11.3
07283725 Hurricane Creek	Turkey Creek	Lat 34°01'21", long 89°34'55", in SW¼NE¼ sec.20, T.25 N., R.7 E., Choctaw Meridian, Yalobusha County, on county road, 1.75 mi southeast of Velma.	--	--	8-23-84	4.06
07287100 Pelucia Creek	Yazoo River	Lat 33°28'99", long 90°13'99", in SE¼SE¼ sec.32, T.19 N., R.1 E., Choctaw Meridian, Leflore County, at U. S. Highway 49E, 0.3 mi south of Rising Sun.	--	--	6-21-84	295

Discharge measurements made at miscellaneous sites during water year 1984--Continued

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft³/s)
		Yazoo River basin--Continued				
07288643 Bogue Phalia	Lanes Bayou	Lat 33°36'10", long 90°51'11", on line between SE¼ sec.6, and NE¼ sec.7, T.20 N., R.6 W., Choctaw Meridian, Bolivar County, on County Road 448, 4 mi south of Pace.	--	1953-55, 1983	12- 3-83	6,150
		Big Black River basin				
07289560 Bear Creek	Big Black River	Lat 32°36'29", long 90°03'46", in S½ sec.23, T.9 N., R.2 E., Choctaw Meridian, Madison County, at bridge on State Highway 22, 1.0 mi west of Canton.	--	1952-53, 1965, 1983	12-28-83	1,500
		Bayou Pierre basin				
07290217 Bayou Pierre	Mississippi River	Lat 31°39'07", long 90°32'24", in SW¼ sec.7, T.8 N., R.7 E., Washington Meridian, Lincoln County, 0.5 mi northwest of Old Red Star.	--	--	3- 9-84 9-12-84	4.36 .30
07290218 Bayou Pierre tributary	Bayou Pierre	Lat 31°40'10", long 90°31'27", in NE¼NW¼ sec.17, T.8 N., R.7 E., Washington Meridian, Lincoln County, 0.5 mi southwest of Old Red Star.	--	--	3- 9-84 9-12-84	3.99 .02
		Homochitto River basin				
07290935 Sweet Water Creek	Dye Branch	Lat 31°42'08", long 90°36'31", in NE¼SW¼ sec.33, T.9 N., R.6 E., Washington Meridian, Copiah County, 3.2 mi southwest of Midway.	--	--	11-28-83 3- 6-84 3- 7-84 5-17-84 7-12-84 7-13-84 9-12-84	4.63 55.1 20.1 .35 .26 24.0 .17
07291217 Shaws Creek	McCall Creek	Lat 31°37'32", long 90°31'17", in NW¼NE¼ sec.32, T.8 N., R.7 E., Washington Meridian, Lincoln County, 1.9 mi east of Red Star.	--	--	3- 9-84 9-13-84	.75 .19
07291223 Shaws Creek trib. No. 2	McCall Creek	Lat 31°36'26", long 90°32'06", in SE¼NE¼ sec.6, T.7 N., R.7 E., Washington Meridian, Lincoln County, 1.6 mi southeast of Red Star.	--	--	3- 9-84 9-13-84	1.40 1.87
07291225 Shaws Creek	McCall Creek	Lat 31°35'59", long 90°33'08", in SE¼SE¼ sec.1, T.7 N., R.6 E., Washington Meridian, Lincoln County, 3 mi Northeast of Vaughn.	--	--	3- 8-84 9-13-84	12.6 1.77
07291229 Shaws Creek trib. No. 3	McCall Creek	Lat 31°35'41", long 90°33'36", in NE¼NW¼ sec.12, T.7 N., R.6 E., Washington Meridian, Lincoln County, 2.3 mi south of Red Star.	--	--	3- 8-84 9-13-84	7.95 2.33
07291230 Shaws Creek	McCall Creek	Lat 31°35'58", long 90°33'08", in SE¼SE¼ sec.1, T.7 N., R.6 E., Washington Meridian, Lincoln County, 2 mi south of Red Star, 2 mi northeast of Vaughn, 2.75 mi northwest of Zetus.	13.8	1983	10-20-83 11-21-83 7-12-84 9-13-84 3- 6-84 3- 7-84 5-17-84 6-12-84 3- 9-84 9-13-84	5.06 7.78 5.70 4.39 81.5 32.0 7.82 8.19 1.40 1.87
07294500 Homochitto River	Mississippi River	Lat 31°19'53", long 91°21'37", in SE¼ sec.10, T.4 N., R.2 E., Washington Meridian, Wilkinson County, on U. S. Highway 61, 2.2 mi north of Dolorose.	1120	--	3-27-84	1,590

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

Water-quality partial-record stations are particular sites where chemical-quality, biological and/or sediment data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than quarterly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS NONCARBONATE (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
MOBILE RIVER BASIN												
02429975 - BLACK BRANCH AT PADEN, MS (LAT 34 39 53 LONG 088 16 11)												
AUG , 1984 02...	1155	.38	81	6.4	19.5	8.0	88	<10	40	0	14	1.3
02429985 - SANDY HOOK CREEK NR PADEN, MS (LAT 34 38 16 LONG 088 17 06)												
AUG , 1984 02...	1300	.54	27	6.0	18.0	9.1	97	<10	9	0	2.2	.83
TENNESSEE RIVER BASIN												
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS (LAT 34 47 06 LONG 088 16 45)												
AUG , 1984 02...	1400	2.5	31	6.0	20.5	8.0	89	10	9	0	2.2	.97

DATE	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	SOLIDS, DISSOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
MOBILE RIVER BASIN												
02429975 - BLACK BRANCH AT PADEN, MS (LAT 34 39 53 LONG 088 16 11)												
AUG , 1984 02...	1.2	6	.0	1.2	41	3.3	1.8	68	.09	.07	<.10	<.010
02429985 - SANDY HOOK CREEK NR PADEN, MS (LAT 34 38 16 LONG 088 17 06)												
AUG , 1984 02...	1.6	25	.2	1.1	10	2.6	2.6	34	.05	.05	<.10	<.010
TENNESSEE RIVER BASIN												
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS (LAT 34 47 06 LONG 088 16 45)												
AUG , 1984 02...	1.7	25	.2	1.2	11	2.8	1.5	41	.06	.28	<.10	<.010

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY DISSOLVED (UG/L AS HG)	SEDIMENT, SUSPENDED (MG/L)
MOBILE RIVER BASIN												
02429975 - BLACK BRANCH AT PADEN, MS (LAT 34 39 53 LONG 088 16 11)												
AUG , 1984 02...	.40	.020	.020	1300	460	7	--	100	170	--	1.9	41
02429985 - SANDY HOOK CREEK NR PADEN, MS (LAT 34 38 16 LONG 088 17 06)												
AUG , 1984 02...	.40	.020	.010	560	120	35	3	40	<10	1.0	.9	20
TENNESSEE RIVER BASIN												
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS (LAT 34 47 06 LONG 088 16 45)												
AUG , 1984 02...	.30	.020	.020	2500	130	18	5	70	10	2.9	2.8	34

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites. The analyses of samples from sites within a given river basin may be presented in separate sections of the table and the river basins may not appear in downstream order due to tabling requirements necessitated by varying parameter lists.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)
YAZOO RIVER BASIN										
07268500 - CYPRESS CREEK NR ETTA, MS (LAT 34 26 30 LONG 089 17 25)										
AUG , 1984										
24...	1100	7.3	53	--	20.5	<1	12	10.4	117	15
07268510 - PUSKUS CREEK NR ETTA, MS (LAT 34 26 42 LONG 089 19 57)										
AUG , 1984										
24...	0910	7.5	31	--	24.5	1	4.5	7.6	92	9
07273660 - COON CREEK NR TOCCOPOLA, MS (LAT 34 12 32 LONG 089 15 46)										
AUG , 1984										
16...	1430	2.6	49	--	25.0	2	10	7.0	85	15
07273690 - MUCKALOON CREEK NR TULA, MS (LAT 34 14 02 LONG 089 17 39)										
AUG , 1984										
16...	1050	.40	75	--	23.0	3	17	8.4	98	23
07273850 - POTLOCKNEY CREEK NR TULA, MS (LAT 34 13 16 LONG 089 23 41)										
AUG , 1984										
17...	0930	.95	93	--	24.0	2	10	4.4	53	40
07273950 - PUMPKIN CREEK NR DENMARK, MS (LAT 34 17 18 LONG 089 26 42)										
AUG , 1984										
13...	1630	3.7	34	--	25.0	12	18	7.0	86	10
07274237 - OTOUCKALOFA CREEK AT PARIS, MS (LAT 34 10 10 LONG 089 27 24)										
AUG , 1984										
17...	1340	2.3	49	--	25.0	17	18	7.2	88	15
07282898 - MCGILL CREEK NR SAREPTA, MS (LAT 34 05 18 LONG 089 15 54)										
AUG , 1984										
15...	1015	2.7	58	--	23.0	5	7.0	6.0	70	15
07282904 - SAVANNAH CREEK NR BRUCE, MS (LAT 34 02 50 LONG 089 16 20)										
AUG , 1984										
14...	1650	.48	60	--	28.5	12	5.7	7.4	96	15
07282980 - COWPEN CANAL NR BRUCE, MS (LAT 34 00 24 LONG 089 19 04)										
AUG , 1984										
14...	1400	3.1	100	--	31.0	11	17	9.4	127	27
07283208 - PERSIMMON CREEK NR BRUCE, MS (LAT 34 02 02 LONG 089 26 01)										
AUG , 1984										
14...	1038	.32	160	--	26.0	3	4.5	8.0	99	50
07283465 - UNNAMED CREEK NR BENWOOD, MS (LAT 33 56 15 LONG 089 31 20)										
AUG , 1984										
15...	1400	1.7	31	--	27.5	6	10	7.6	96	8
07283478 - YORK CREEK NR COFFEEVILLE, MS (LAT 33 55 35 LONG 089 35 48)										
AUG , 1984										
15...	1715	4.9	31	--	29.0	5	--	7.5	98	8
07283720 - TURKEY CREEK NR VELMA, MS (LAT 34 00 49 LONG 089 36 28)										
AUG , 1984										
23...	1205	11	25	--	23.0	55	70	8.0	94	6
07283725 - HURRICANE CREEK NR VELMA, MS (LAT 34 01 21 LONG 089 34 55)										
AUG , 1984										
23...	1515	4.1	36	--	25.5	6	13	6.5	80	9

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
YAZOO RIVER BASIN										
07268500 - CYPRESS CREEK NR ETTA, MS (LAT 34 26 30 LONG 089 17 25)										
AUG , 1984 24...	3.1	1.8	4.3	36	.5	.90	2.2	2.8	48	.07
07268510 - PUSKUS CREEK NR ETTA, MS (LAT 34 26 42 LONG 089 19 57)										
AUG , 1984 24...	2.0	.99	2.0	30	.3	.80	3.2	1.8	35	.05
07273660 - COON CREEK NR TOCCOPOLA, MS (LAT 34 12 32 LONG 089 15 46)										
AUG , 1984 16...	3.3	1.6	3.3	31	.4	1.2	4.1	1.9	52	.07
07273690 - MUCKALOON CREEK NR TULA, MS (LAT 34 14 02 LONG 089 17 39)										
AUG , 1984 16...	4.4	3.0	5.0	30	.5	1.3	3.9	2.1	--	--
07273850 - POTLOCKNEY CREEK NR TULA, MS (LAT 34 13 16 LONG 089 23 41)										
AUG , 1984 17...	8.4	4.6	4.7	19	.3	2.1	5.2	3.3	70	.10
07273950 - PUMPKIN CREEK NR DENMARK, MS (LAT 34 17 18 LONG 089 26 42)										
AUG , 1984 13...	2.0	1.2	2.1	[illegible]	.3	1.0	5.4	2.0	38	.05
07274237 - OTOUCKALOFA CREEK AT PARIS, MS (LAT 34 10 10 LONG 089 27 24)										
AUG , 1984 17...	2.9	1.9	3.1	29	.4	1.3	5.3	3.0	52	.07
07282898 - MCGILL CREEK NR SAREPTA, MS (LAT 34 05 18 LONG 089 15 54)										
AUG , 1984 15...	3.4	1.7	4.4	36	.5	1.2	2.4	2.6	48	.07
07282904 - SAVANNAH CREEK NR BRUCE, MS (LAT 34 02 50 LONG 089 16 20)										
AUG , 1984 14...	3.1	1.8	5.6	42	.6	1.2	1.0	15	--	--
07282980 - COWPEN CANAL NR BRUCE, MS (LAT 34 00 24 LONG 089 19 04)										
AUG , 1984 14...	5.7	3.2	8.3	38	.7	1.7	7.7	5.5	76	.10
07283208 - PERSIMMON CREEK NR BRUCE, MS (LAT 34 02 02 LONG 089 26 01)										
AUG , 1984 14...	11	5.5	12	33	.8	2.6	18	9.9	91	.12
07283465 - UNNAMED CREEK NR BENWOOD, MS (LAT 33 56 15 LONG 089 31 20)										
AUG , 1984 15...	1.5	.95	2.3	37	.4	.80	3.4	2.1	36	.05
07283478 - YORK CREEK NR COFFEEVILLE, MS (LAT 33 55 35 LONG 089 35 48)										
AUG , 1984 15...	1.7	1.0	2.1	33	.3	.70	1.1	2.2	22	.03
07283720 - TURKEY CREEK NR VELMA, MS (LAT 34 00 49 LONG 089 36 28)										
AUG , 1984 23...	1.3	.72	2.3	41	.4	.80	3.5	1.9	36	.05
07283725 - HURRICANE CREEK NR VELMA, MS (LAT 34 01 21 LONG 089 34 55)										
AUG , 1984 23...	1.9	1.1	2.6	34	.4	1.2	2.6	2.3	36	.05

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	SOLIDS, DISSOLVED (TONS PER DAY)	SOLIDS, VOLATILE, DISSOLVED (MG/L)	ALUMINUM, DISSOLVED (UG/L AS AL)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, RECOV. FM BOTTOM MATERIAL (UG/G AS CO)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)
YAZOO RIVER BASIN										
07268500 - CYPRESS CREEK NR ETTA, MS (LAT 34 26 30 LONG 089 17 25)										
AUG , 1984 24...	.95	12	<100	<1	<1	<1	<10	<1	990	23
07268510 - PUSKUS CREEK NR ETTA, MS (LAT 34 26 42 LONG 089 19 57)										
AUG , 1984 24...	.71	6	<100	<1	<1	1	<10	3	1300	410
07273660 - COON CREEK NR TOCCOPOLA, MS (LAT 34 12 32 LONG 089 15 46)										
AUG , 1984 16...	.37	18	<100	1	<1	3	<10	4	1400	47
07273690 - MUCKALOON CREEK NR TULA, MS (LAT 34 14 02 LONG 089 17 39)										
AUG , 1984 16...	--	16	100	<1	<1	1	<10	2	1200	44
07273850 - POTLOCKNEY CREEK NR TULA, MS (LAT 34 13 16 LONG 089 23 41)										
AUG , 1984 17...	.18	27	100	<1	<1	2	<10	4	2800	170
07273950 - PUMPKIN CREEK NR DENMARK, MS (LAT 34 17 18 LONG 089 26 42)										
AUG , 1984 13...	.38	18	<100	<1	<1	1	<10	2	1900	32
07274237 - OTOUCKALOFA CREEK AT PARIS, MS (LAT 34 10 10 LONG 089 27 24)										
AUG , 1984 17...	.32	14	100	<1	<1	<1	<10	<1	2400	380
07282898 - MCGILL CREEK NR SAREPTA, MS (LAT 34 05 18 LONG 089 15 54)										
AUG , 1984 15...	.35	8	<100	<1	<1	1	<10	<1	1500	450
07282904 - SAVANNAH CREEK NR BRUCE, MS (LAT 34 02 50 LONG 089 16 20)										
AUG , 1984 14...	--	16	100	<1	<1	<1	<10	<1	1700	370
07282980 - COWPEN CANAL NR BRUCE, MS (LAT 34 00 24 LONG 089 19 04)										
AUG , 1984 14...	.64	13	<100	<1	<1	<1	<10	<1	1600	210
07283208 - PERSIMMON CREEK NR BRUCE, MS (LAT 34 02 02 LONG 089 26 01)										
AUG , 1984 14...	.08	17	<100	<1	<1	<1	<10	<1	820	65
07283465 - UNNAMED CREEK NR BENWOOD, MS (LAT 33 56 15 LONG 089 31 20)										
AUG , 1984 15...	.17	12	<100	<1	<1	<1	<10	<1	1000	38
07283478 - YORK CREEK NR COFFEEVILLE, MS (LAT 33 55 35 LONG 089 35 48)										
AUG , 1984 15...	.29	25	<100	<1	<1	<1	<10	<1	1700	150
07283720 - TURKEY CREEK NR VELMA, MS (LAT 34 00 49 LONG 089 36 28)										
AUG , 1984 23...	1.1	11	<100	<1	<1	<1	<10	<1	4500	310
07283725 - HURRICANE CREEK NR VELMA, MS (LAT 34 01 21 LONG 089 34 55)										
AUG , 1984 23...	.40	11	<100	<1	<1	2	<10	2	2300	260

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	SELE-NIUM, TOTAL IN BOT-TOM MA-TERIAL (UG/G)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI-MENT, SUS-PENDED (MG/L)
YAZOO RIVER BASIN										
07268500 - CYPRESS CREEK NR ETTA, MS (LAT 34 26 30 LONG 089 17 25)										
AUG , 1984										
24...	970	<10	140	120	350	.15	<1	3	1.0	22
07268510 - PUSKUS CREEK NR ETTA, MS (LAT 34 26 42 LONG 089 19 57)										
AUG , 1984										
24...	1500	<10	170	130	350	<.01	2	4	2.7	32
07273660 - COON CREEK NR TOCCOPOLA, MS (LAT 34 12 32 LONG 089 15 46)										
AUG , 1984										
16...	3400	<10	200	150	1000	<.01	3	7	3.2	33
07273690 - MUCKALOON CREEK NR TULA, MS (LAT 34 14 02 LONG 089 17 39)										
AUG , 1984										
16...	2500	<10	130	110	360	<.01	--	4	3.5	26
07273850 - POTLOCKNEY CREEK NR TULA, MS (LAT 34 13 16 LONG 089 23 41)										
AUG , 1984										
17...	4000	<10	690	680	510	<.01	1	6	3.7	26
07273950 - PUMPKIN CREEK NR DENMARK, MS (LAT 34 17 18 LONG 089 26 42)										
AUG , 1984										
13...	1900	<10	160	130	330	.03	1	5	3.2	33
07274237 - OTOUCKALOFA CREEK AT PARIS, MS (LAT 34 10 10 LONG 089 27 24)										
AUG , 1984										
17...	1600	<10	280	240	340	<.01	<1	5	2.7	52
07282898 - MCGILL CREEK NR SAREPTA, MS (LAT 34 05 18 LONG 089 15 54)										
AUG , 1984										
15...	460	<10	100	100	46	.02	<1	2	1.5	46
07282904 - SAVANNAH CREEK NR BRUCE, MS (LAT 34 02 50 LONG 089 16 20)										
AUG , 1984										
14...	790	<10	230	210	230	<.01	<1	2	2.4	15
07282980 - COWPEN CANAL NR BRUCE, MS (LAT 34 00 24 LONG 089 19 04)										
AUG , 1984										
14...	530	<10	100	41	100	<.01	<1	2	2.3	22
07283208 - PERSIMMON CREEK NR BRUCE, MS (LAT 34 02 02 LONG 089 26 31)										
AUG , 1984										
14...	590	<10	220	200	180	<.01	<1	2	3.2	22
07283465 - UNNAMED CREEK NR BENWOOD, MS (LAT 33 56 15 LONG 089 31 20)										
AUG , 1984										
15...	440	<10	60	42	190	<.01	<1	3	1.5	24
07283478 - YORK CREEK NR COFFEEVILLE, MS (LAT 33 55 35 LONG 089 35 48)										
AUG , 1984										
15...	390	<10	100	71	190	<.01	<1	2	2.3	36
07283720 - TURKEY CREEK NR VELMA, MS (LAT 34 00 49 LONG 089 36 28)										
AUG , 1984										
23...	690	<10	110	38	340	<.01	<1	2	3.4	105
07283725 - HURRICANE CREEK NR VELMA, MS (LAT 34 01 21 LONG 089 34 55)										
AUG , 1984										
23...	1700	<10	120	89	310	<.01	<1	7	2.7	42

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)
PEARL RIVER BASIN												
02490241 - WEST BOGUE CHITTO TRIB NO. 1 NR BROOKHAVEN, MS (LAT 31 34 58 LONG 090 30 15)												
APR , 1984												
04...	1330	1.9	125	5.7	16.5	7.8	82	16	31	--	--	--
02490245 - WEST BOGUE CHITTO TRIB NO. 2 NR BROOKHAVEN, MS (LAT 31 34 02 LONG 090 30 30)												
APR , 1984												
04...	1225	1.9	44	5.9	16.5	7.8	81	4.1	5.9	--	--	--
02490248 - DOOLITTLE CREEK NR ZETUS, MS (LAT 31 33 08 LONG 090 30 06)												
APR , 1984												
04...	1030	10	32	5.8	16.0	8.2	85	2.6	3.5	--	--	--
SEP												
12...	1550	.38	52	5.8	22.0	4.0	46	6.1	8.2	38	.05	.04
BAYOU PIERRE RIVER BASIN												
07290217 - BAYOU PIERRE NR OLD RED STAR, MS (LAT 31 39 07 LONG 090 32 24)												
MAR , 1984												
09...	1445	4.4	31	6.0	13.0	11.2	107	2.8	3.6	--	--	--
SEP												
12...	1025	.30	45	5.9	22.0	5.6	65	4.4	7.0	40	.05	.03
07290218 - BAYOU PIERRE TRIB AT OLD RED STAR, MS (LAT 31 40 10 LONG 090 31 27)												
MAR , 1984												
09...	1320	4.0	43	5.9	12.0	12.4	115	4.8	7.3	--	--	--
SEP												
12...	1215	.02	45	6.1	22.0	2.0	23	3.9	5.8	39	.05	.00
HOMOCHITTO RIVER BASIN												
07291217 - SHAWS CREEK TRIB NO. 1 NR RED STAR, MS (LAT 31 37 32 LONG 090 31 17)												
MAR , 1984												
09...	1115	.75	181	5.5	12.5	9.4	88	22	47	--	--	--
SEP												
13...	0845	.18	340	5.4	19.5	4.0	44	43	96	235	.32	.11
07291223 - SHAWS CREEK TRIB NO. 2 NR RED STAR, MS (LAT 31 36 26 LONG 090 32 06)												
MAR , 1984												
09...	0940	1.4	92	5.7	12.0	9.2	85	11	23	--	--	--
SEP												
13...	1015	--	120	5.5	19.0	7.4	81	16	32	89	.12	.46
07291225 - SHAWS CREEK NR VAUGHN, MS (LAT 31 35 59 LONG 090 33 08)												
MAR , 1984												
08...	1420	13	82	6.2	12.5	10.6	100	9.5	17	--	--	--
SEP												
13...	1140	1.8	169	6.1	22.0	6.1	70	23	46	119	.16	.58
07291229 - SHAWS CREEK TRIB NO. 3 NR RED STAR, MS (LAT 31 35 40 LONG 090 33 36)												
MAR , 1984												
08...	1220	8.0	75	6.0	12.0	10.8	100	8.5	18	--	--	--
SEP												
13...	1515	2.3	140	6.2	21.5	7.6	87	17	37	108	.15	.67

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

HOMOCHITTO RIVER BASIN

07290935 - SWEETWATER CREEK NR MIDWAY, MS (LAT 31 42 08 LONG 090 36 31)

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
NOV , 1983												
28...	1500	4.6	38	6.2	12.5	8.7	83	--	--	--	--	1.5
MAR , 1984												
06...	1315	55	30	6.1	10.0	11.6	104	--	--	--	--	1.9
07...	1140	20	33	6.0	8.5	10.8	93	8	0	1.7	.89	2.3
MAY												
17...	1015	.35	56	5.9	17.5	3.4	36	--	--	--	--	4.1
JUL												
12...	1300	.26	42	6.0	24.0	--	--	--	--	--	--	2.3
13...	1540	24	30	6.0	23.0	--	--	--	--	--	--	1.1
SEP												
12...	1415	.17	55	6.0	22.5	3.8	44	13	0	3.0	1.3	5.0

HOMOCHITTO RIVER BASIN

07290935 - SWEETWATER CREEK NR MIDWAY, MS (LAT 31 42 08 LONG 090 36 31)

DATE	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	BROMIDE DIS-SOLVED (MG/L AS BR)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	BARIUM, DIS-SOLVED (UG/L AS BA)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)
NOV , 1983												
28...	--	--	--	--	--	3.0	--	51	.07	.63	--	--
MAR , 1984												
06...	--	--	--	--	--	2.5	--	--	--	--	--	--
07...	35	.4	1.2	7.0	4.9	2.8	.01	50	.07	2.7	47	19
MAY												
17...	--	--	--	--	--	5.5	--	51	.07	.05	--	--
JUL												
12...	--	--	--	--	--	3.5	--	49	.07	.03	--	--
13...	--	--	--	--	--	5.0	--	--	--	--	--	--
SEP												
12...	43	.6	1.1	16	.5	6.0	.05	46	.06	.02	60	32

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

Stations for short-term water-quality studies were established on selected stream reaches and estuaries to collect water-quality data systematically over a short-term period for use in hydrologic analysis. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

PASCAGOULA RIVER BASIN

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS

WATER QUALITY DATA, SEPTEMBER 1984

302954088344000 - PASCAGOULA RIVER AT MI 14 024793409

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1816	1.00	88	6.8	28.5	6.4
04...	1817	5.00	81	6.8	28.5	6.0
04...	1818	10.0	75	6.8	28.5	5.9
05...	0851	1.00	133	6.9	28.0	5.7
05...	0852	5.00	126	6.9	28.0	5.3
05...	0853	10.0	118	6.9	28.0	4.8
05...	0854	15.0	108	6.9	28.0	4.9
05...	0855	20.0	102	6.9	28.0	5.0
05...	0856	25.0	98	6.9	28.0	5.0

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
SEP			
04...	1815	140	120
05...	0850	1000	K1600

02479341 - PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1812	1.00	97	6.9	28.5	6.1
04...	1813	5.00	87	6.8	28.5	5.9
04...	1814	10.0	78	6.7	28.5	5.9
05...	0845	1.00	140	7.1	28.0	5.8
05...	0846	5.00	139	6.9	28.0	5.2
05...	0847	10.0	156	6.9	28.0	5.1
05...	0848	15.0	191	6.8	28.0	5.2

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02479342 - PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1805	1.00	430	6.8	28.5	6.1
04...	1806	5.00	515	6.6	28.5	5.7
04...	1807	10.0	632	6.5	28.5	5.5
04...	1808	15.0	13600	6.6	28.0	2.0
04...	1809	20.0	17400	6.7	27.5	1.2
04...	1810	25.0	17600	6.7	27.5	.9
04...	1811	30.0	23500	6.5	27.0	.0
05...	0835	1.00	417	6.9	28.0	5.5
05...	0836	5.00	420	6.8	28.0	5.4
05...	0837	10.0	5200	6.6	28.0	4.1
05...	0838	15.0	18600	6.8	28.0	1.9
05...	0839	20.0	21000	6.9	28.0	1.3
05...	0840	25.0	23300	6.9	27.5	.9
05...	0841	30.0	23400	6.9	27.5	.5

302822088332500 - PASCAGOULA RIVER AT MI 11 024793422

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1758	1.00	983	6.5	28.5	5.2
04...	1759	5.00	1030	6.5	28.5	5.2
04...	1800	10.0	1290	6.5	28.5	5.1
04...	1801	15.0	17600	6.8	27.5	1.2
04...	1802	20.0	17800	6.8	27.5	1.0
04...	1803	25.0	18000	6.8	27.5	1.0
04...	1804	30.0	29300	6.9	27.0	.0
05...	0825	1.00	585	6.8	27.5	5.5
05...	0826	5.00	598	6.8	27.5	5.1
05...	0827	10.0	9600	6.6	28.0	3.4
05...	0828	15.0	20900	6.9	28.0	1.6
05...	0829	20.0	24600	7.0	28.0	1.1
05...	0830	25.0	25300	7.0	28.0	1.0
05...	0831	30.0	25700	6.9	27.5	.0

302725088333700 - PASCAGOULA RIVER AT MI 10 024793427

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1750	1.00	1320	6.6	28.5	5.0
04...	1751	5.00	1380	6.6	28.5	4.9
04...	1752	10.0	1830	6.5	28.5	4.2
04...	1753	15.0	5300	6.5	28.0	4.1
05...	0815	1.00	927	6.9	27.5	5.2
05...	0816	5.00	987	6.8	27.5	5.1
05...	0817	10.0	9560	6.7	28.0	3.2
05...	0818	15.0	24700	7.0	28.0	1.4

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302648088340600 - PASCAGOULA RIVER AT MI 9 02479342B

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1740	1.00	2260	6.5	28.5	4.9
04...	1741	5.00	2200	6.5	28.5	4.9
04...	1742	10.0	2700	6.5	28.5	4.9
04...	1743	15.0	1800	7.0	28.0	1.2
05...	0805	1.00	1500	7.0	27.5	5.8
05...	0806	5.00	1500	6.8	27.5	5.3
05...	0807	10.0	17900	7.0	27.5	2.3
05...	0808	15.0	28000	7.4	28.0	1.7
05...	0809	20.0	30200	7.4	28.0	1.2
05...	0810	25.0	31200	7.4	28.0	1.0

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1731	1.00	2840	6.5	28.0	4.9
04...	1732	5.00	4090	6.5	28.5	4.1
04...	1733	10.0	17300	6.9	28.0	2.2
04...	1734	15.0	18000	7.1	28.0	1.9
04...	1735	20.0	32600	7.2	28.0	.9
05...	0756	1.00	1870	6.9	27.0	5.3
05...	0757	5.00	3720	6.7	25.0	4.8
05...	0758	10.0	20400	7.1	27.5	3.0
05...	0759	15.0	29900	7.5	27.5	2.0
05...	0800	20.0	33000	7.6	27.5	1.7
05...	0801	25.0	35200	7.6	27.5	1.2

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP												
04...	1730	--	K1200	1500	<.010	<.100	.180	.42	.60	.040	.040	4.3
05...	0755	1.0	K650	490	.010	<.100	.160	.24	.40	.050	.040	4.4

302526088333600 - PASCAGOULA RIVER AT MI 7 024793431

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1720	1.00	4000	6.6	28.5	4.9
04...	1721	5.00	4250	6.5	28.5	4.3
04...	1722	10.0	5260	6.5	28.0	4.5
05...	0745	1.00	4280	6.8	27.0	4.5
05...	0746	5.00	4630	6.7	27.0	4.7
05...	0747	10.0	32800	7.7	27.5	2.2
05...	0748	15.0	38200	7.7	27.5	1.2

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480183 - ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS.

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
05...	1110	1.00	77	6.1	26.5	4.5

02480184 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
05...	1050	1.00	97	6.1	26.5	4.9
05...	1051	5.00	85	6.1	26.5	4.8
05...	1052	10.0	78	6.1	26.5	4.7
05...	1053	15.0	72	6.1	26.5	4.8
05...	1054	20.0	67	6.1	26.5	4.8
05...	1055	25.0	65	6.1	26.5	4.7
05...	1056	30.0	61	6.0	26.5	4.8

302541088290100 - ESCATAWPA RIVER AT MI 7 024802053

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	2011	1.00	69	6.0	26.5	4.9
04...	2012	5.00	60	5.9	26.5	4.8
04...	2013	10.0	54	6.0	26.5	4.7
04...	2014	15.0	51	6.0	26.5	4.7
04...	2015	20.0	49	6.0	26.5	4.6
04...	2016	25.0	48	6.0	26.5	4.7
04...	2017	30.0	47	5.9	26.5	4.9
04...	2018	35.0	46	6.0	26.5	4.4
04...	2019	40.0	46	6.0	26.5	4.4
05...	1041	1.00	454	6.0	26.5	4.8
05...	1042	5.00	486	5.9	26.5	4.7
05...	1043	10.0	700	6.0	26.5	4.8
05...	1044	15.0	2710	6.0	27.0	3.7
05...	1045	20.0	11200	6.4	27.0	1.7
05...	1046	25.0	11800	6.5	27.0	1.5
05...	1047	30.0	12300	6.5	27.0	1.4
05...	1048	35.0	12800	6.5	27.0	1.4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP												
04...	2010	--	80	170	<.010	.100	.030	.47	.50	.020	.010	6.6
05...	1040	.7	190	1600	<.010	<.100	.170	.43	.60	.020	.020	7.5

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302512088292200 - ESCATAWPA RIVER AT MI 6 024802054

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1950	1.00	320	5.9	27.0	5.1
04...	1951	5.00	503	5.9	27.0	4.4
04...	1952	10.0	630	5.9	27.0	4.4
04...	1953	15.0	1000	5.9	27.0	4.2
05...	1030	1.00	926	6.0	26.5	4.5
05...	1031	5.00	1070	6.0	26.5	4.4
05...	1032	10.0	3000	6.0	26.5	3.5
05...	1033	15.0	16800	6.6	27.5	1.1

302515088301300 - ESCATAWPA RIVER AT MI 5 024802055

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1941	1.00	1370	6.1	27.0	4.8
04...	1942	5.00	1430	6.0	27.0	4.5
04...	1943	10.0	1840	6.0	27.0	4.2
04...	1944	15.0	3340	6.1	27.0	4.0
05...	1021	1.00	1120	6.0	26.5	4.8
05...	1022	5.00	3000	6.1	26.5	3.9
05...	1023	10.0	12200	6.5	27.5	2.0
05...	1024	15.0	21300	6.8	27.5	1.0
05...	1025	20.0	24200	7.0	27.5	.9

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP										
04...	1940	--	<.010	<.100	.080	.42	.50	.020	.020	5.6
05...	1020	.7	<.010	.100	.140	.96	1.1	.030	.020	7.8

302528088304400 - ESCATAWPA RIVER AT MI 4 024802057

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1930	1.00	2270	6.1	27.0	4.2
04...	1931	5.00	2400	6.1	27.0	4.0
04...	1932	10.0	3320	6.2	27.0	3.6
04...	1933	15.0	9400	6.4	27.0	1.8
04...	1934	20.0	22200	6.8	27.5	.4
04...	1935	25.0	26500	7.0	27.5	.4
05...	1010	1.00	1730	6.2	26.0	4.5
05...	1011	5.00	2390	6.1	26.5	4.1
05...	1012	10.0	19900	6.8	27.5	1.1
05...	1013	15.0	24600	7.0	27.5	1.0
05...	1014	20.0	25700	7.1	27.5	.8
05...	1015	25.0	26300	7.1	27.5	.9

302455088313100 - ESCATAWPA RIVER AT MI 3 024802061

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1921	1.00	5600	6.4	27.0	3.8
04...	1922	5.00	5670	6.3	27.0	3.2
04...	1923	10.0	9800	6.4	27.5	2.5
05...	0956	1.00	6000	6.5	27.0	3.1
05...	0957	5.00	7200	6.5	27.0	2.9
05...	0958	10.0	23000	7.0	27.5	1.1
05...	0959	15.0	28500	7.2	28.0	.6
05...	1000	20.0	30500	7.2	27.5	.2

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP										
04...	1920	--	<.010	<.100	.140	.66	.80	.030	.030	9.0
05...	0955	1.1	<.010	<.100	.240	.26	.50	.050	.040	4.1

302459088320800 - ESCATAWPA RIVER AT MI 2 024802064

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1910	1.00	7000	6.5	27.0	3.9
04...	1911	5.00	7200	6.4	27.5	3.5
04...	1912	10.0	8000	6.4	27.5	3.0
04...	1913	15.0	17200	6.6	27.5	1.2
05...	0940	1.00	5400	6.5	25.5	4.3
05...	0941	5.00	6900	6.5	26.0	3.1
05...	0942	10.0	22800	7.0	27.5	1.5
05...	0943	15.0	31200	7.4	27.5	1.0
05...	0944	20.0	34700	7.6	27.5	1.0
05...	0945	25.0	34800	7.6	27.5	1.0
05...	0946	30.0	35000	7.6	27.5	1.0
05...	0947	35.0	35300	7.6	27.5	1.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1856	1.00	6000	6.5	27.5	4.5
04...	1857	5.00	6800	6.5	27.5	4.0
04...	1858	10.0	8800	6.5	27.5	3.5
04...	1859	15.0	21400	6.8	27.5	1.0
04...	1900	20.0	30400	7.2	27.5	.5
04...	1901	25.0	31100	7.2	27.5	.5
05...	0931	1.00	6100	6.6	26.0	4.2
05...	0932	5.00	7400	6.6	26.0	4.0
05...	0933	10.0	21200	7.1	26.5	2.1
05...	0934	15.0	35000	7.6	27.5	1.5
05...	0935	20.0	36600	7.7	27.5	1.2
05...	0936	25.0	37100	7.7	27.5	1.2

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP												
04...	1855	--	2700	4900	<.010	<.100	.230	.87	1.1	.060	.050	8.7
05...	0930	.9	K130	2000	<.010	<.100	.160	.24	.40	.060	.040	3.7

DATE	TIME	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
SEP											
04...	1855	2.5	1500	110	290	2700	79	100	690	5300	9780

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	ARSENIC TOTAL (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
SEP										
04...	16	1	<10	1	20	10	3	.4	<1	30

DATE	PARACHLOROMETA CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHOCRESOL TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)	2-NITROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
SEP											
04...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1845	1.00	7600	6.6	27.5	4.0
04...	1846	5.00	8200	6.5	27.5	4.0
04...	1847	10.0	10700	6.6	27.5	3.1
04...	1848	15.0	19800	7.1	27.5	1.0
04...	1849	20.0	20000	7.3	27.5	.9
04...	1850	25.0	32900	7.4	27.5	.9
05...	0915	1.00	8000	6.6	26.0	4.1
05...	0916	5.00	12200	6.7	27.0	3.0
05...	0917	10.0	29500	7.6	27.5	2.3
05...	0918	15.0	37600	7.7	27.5	1.9
05...	0919	20.0	38200	7.8	27.5	1.9
05...	0920	25.0	38300	7.8	27.5	1.8
05...	0921	30.0	38300	7.7	27.5	1.8

302507088342800 - PASCAGOULA RIVER AT MI 6 024802082

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1711	1.00	6200	6.6	28.0	4.8
04...	1712	5.00	10800	6.6	28.0	3.9
04...	1713	10.0	14500	6.6	28.0	2.9
05...	0731	1.00	8440	7.0	26.5	4.9
05...	0732	5.00	17300	7.2	27.0	3.9
05...	0733	10.0	35700	7.7	27.5	2.2

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP										
04...	1710	--	<.010	<.100	.130	.67	.80	.060	.030	6.9
05...	0730	.8	<.010	<.100	.140	.46	.60	.040	.040	5.8

302430088350400 - PASCAGOULA RIVER AT MI 5 024802083

DATE	TIME	SAM-PLING DEPTH (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
SEP						
04...	1700	1.00	9940	6.6	28.0	3.9
04...	1701	5.00	10900	6.6	28.0	3.5
04...	1702	10.0	18000	7.0	28.0	2.0
04...	1703	15.0	30900	7.3	28.0	1.5
05...	0715	1.00	14400	7.2	26.0	4.5
05...	0716	5.00	24800	7.6	26.5	4.2
05...	0717	10.0	37700	7.9	27.5	3.0
05...	0718	15.0	39400	7.8	28.0	2.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302345088343800 - PASCAGOULA RIVER AT MI 4 024802087

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1651	1.00	14000	6.8	28.0	3.9
04...	1652	5.00	15300	6.7	28.0	3.0
04...	1653	10.0	24100	7.0	28.0	2.2
04...	1654	15.0	27300	7.2	28.0	2.1
04...	1655	20.0	27200	7.2	28.0	1.8
05...	0701	1.00	24000	7.6	25.5	5.1
05...	0702	5.00	29400	7.8	26.5	4.2
05...	0703	10.0	36100	7.9	27.5	3.8
05...	0704	15.0	40000	7.9	28.0	2.2
05...	0705	20.0	40200	7.8	28.0	2.1

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP										
04...	1650	--	<.010	<.100	.150	.85	1.0	.050	.040	4.9
05...	0700	1.4	<.010	<.100	.180	.22	.40	.050	.050	1.2

302319088335400 - PASCAGOULA RIVER AT MI 3 024802091

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1640	1.00	15300	6.8	28.0	3.8
04...	1641	5.00	14900	6.8	28.0	3.5
04...	1642	10.0	15100	6.8	28.0	3.5
04...	1643	15.0	18200	6.9	28.0	3.0
04...	1644	20.0	25100	7.1	28.0	2.2
04...	1645	25.0	30500	7.4	28.0	1.9
04...	1646	30.0	31000	7.4	28.0	1.8
04...	1647	35.0	31000	7.4	28.0	1.9
04...	1648	40.0	31200	7.4	28.0	1.9
04...	1649	45.0	31500	7.4	28.0	1.9
05...	0645	1.00	35700	7.9	27.0	4.0
05...	0646	5.00	35800	7.9	27.5	3.9
05...	0647	10.0	38200	7.9	28.0	3.2
05...	0648	15.0	40100	7.9	28.0	2.6
05...	0649	20.0	40700	7.9	28.0	2.2
05...	0650	25.0	40100	7.9	28.0	2.2
05...	0651	30.0	41600	7.9	28.0	2.0
05...	0652	35.0	41700	7.9	28.0	2.0
05...	0653	40.0	40900	7.9	28.0	2.1
05...	0654	45.0	41000	7.9	28.0	2.1

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1621	1.00	17600	7.0	28.0	3.7
04...	1622	5.00	19400	7.2	28.0	4.9
04...	1623	10.0	19800	7.1	28.0	4.0
04...	1624	15.0	23900	7.2	28.0	3.2
04...	1625	20.0	33600	7.4	28.0	2.0
05...	0631	1.00	36000	8.0	28.0	4.1
05...	0632	5.00	37800	7.9	28.0	3.7
05...	0633	10.0	39500	7.9	28.0	3.0
05...	0634	15.0	40500	7.9	28.0	2.2
05...	0635	20.0	41000	7.8	28.0	2.0

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100-ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP												
04...	1620	--	2000	4700	.010	<.100	.140	.66	.80	.040	.040	4.8
05...	0630	1.5	3600	E5000	.010	<.100	.160	.24	.40	.060	.040	1.0

DATE	TIME	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	PERCENT SODIUM	POTASSIUM, DISSOLVED (MG/L AS K)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
SEP											
04...	1620	.80	2300	160	460	3900	77	160	1100	8000	16

DATE	ARSENIC TOTAL (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
SEP										
04...	1	<10	1	30	18	9	.4	2	<1	40

DATE	PARACHLOROMETA CRESOL TOTAL (UG/L)	4,6-DINITRO-ORTHOCRESOL TOTAL (UG/L)	PENTACHLOROPHENOL TOTAL (UG/L)	PHENOL (C6H5OH) TOTAL (UG/L)	2-CHLOROPHENOL TOTAL (UG/L)	2-NITROPHENOL TOTAL (UG/L)	2,4-DICHLOROPHENOL TOTAL (UG/L)	2,4-DIMETHYLPHENOL TOTAL (UG/L)	2,4,-DINITROPHENOL TOTAL (UG/L)	2,4,6-TRICHLOROPHENOL TOTAL (UG/L)	4-NITROPHENOL TOTAL (UG/L)
SEP											
04...	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1610	1.00	19700	7.1	28.0	4.7
04...	1611	5.00	21900	7.2	28.0	4.7
04...	1612	10.0	26900	7.3	28.0	2.3
04...	1613	15.0	36100	7.5	28.0	1.9
04...	1614	20.0	40200	7.5	28.0	1.5
04...	1615	25.0	41700	7.5	27.5	1.2
04...	1616	30.0	43800	7.4	26.5	.5
04...	1617	35.0	44300	7.4	26.5	.2
04...	1618	40.0	44100	7.4	26.0	.2
05...	0620	1.00	35500	7.9	27.5	4.8
05...	0621	5.00	35900	7.9	27.5	4.8
05...	0622	10.0	36400	8.0	27.5	4.8
05...	0623	15.0	39000	8.0	28.5	4.1
05...	0624	20.0	40700	8.0	28.5	3.4
05...	0625	25.0	42200	7.9	28.0	2.6
05...	0626	30.0	43200	7.9	27.5	2.0
05...	0627	35.0	43900	7.8	27.0	1.0
05...	0628	40.0	44700	7.6	26.0	.0
05...	0629	45.0	44600	7.6	26.0	.0

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS

DATE	TIME	SAMPLING DEPTH (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
SEP						
04...	1546	1.00	20800	7.3	28.0	3.9
04...	1547	5.00	25300	7.3	28.0	2.6
04...	1548	10.0	31900	7.4	28.0	2.3
04...	1549	15.0	38100	7.6	28.0	2.1
04...	1550	20.0	39500	7.6	28.5	2.0
04...	1551	25.0	41000	7.5	27.5	1.8
04...	1552	30.0	41900	7.5	27.5	.8
04...	1553	35.0	43100	7.5	27.0	.6
04...	1554	40.0	43900	7.4	26.5	.4
04...	1555	45.0	44300	7.3	26.0	.1
05...	0601	1.00	35400	8.0	27.0	5.3
05...	0602	5.00	35700	8.0	27.5	5.3
05...	0603	10.0	36200	8.0	27.5	5.2
05...	0604	15.0	37100	8.0	28.0	5.5
05...	0605	20.0	38500	8.0	28.0	4.7
05...	0606	25.0	42600	7.9	28.0	3.7
05...	0607	30.0	44100	7.9	27.5	3.8
05...	0608	35.0	44200	7.9	27.0	2.2
05...	0609	40.0	44400	7.9	27.0	2.2

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP										
04...	1545	--	<.010	<.100	.210	.59	.80	.060	.060	.80
05...	0600	1.5	.010	<.100	.140	.26	.40	.050	.040	.80

PEARL RIVER BASIN

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS

WATER QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

02481807 - TALLAHAGA CREEK NR LOUISVILLE, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)
FEB 02...	1130	55	30	6.7	6.5	18	12.6	103	23	1.5
MAY 11...	0930	--	39	6.2	19.5	18	7.8	86	13	2.0
JUL 06...	0800	1.7	61	6.5	26.5	7.4	6.1	77	21	1.4

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
FEB 02...	K30	K68	15	60	<.10	<.010	--	.70	.040	.030
MAY 11...	93	920	18	78	<.10	.060	.44	.50	.040	<.010
JUL 06...	230	1500	8	72	<.10	<.010	--	.60	.040	.040

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	PHENOLS TOTAL (UG/L)
FEB 02...	--	--	--	--	--	--	--	--	--	--
MAY 11...	<1	<1	4	1	470	<10	19	<.01	1	--
JUL 06...	<1	<1	4	5	4900	<10	480	.12	60	2

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	<1	<1.0	<.1	<1.0	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
JUL 06...	<1	<1.0	<.1	<1.0	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1
JUL 06...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS--Continued

024818137 - HUGHES CREEK NR LOUISVILLE, MS

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
FEB 02...	0900	122	6.7	7.0	14	9.2	76	38	9.1	22
MAY 11...	1030	117	6.7	19.5	15	7.1	78	13	3.3	30
JUL 06...	1000	422	6.9	25.5	21	2.5	31	21	3.7	26

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)
FEB 02...	119	--	--	--	4.7	--	--	--	--
MAY 11...	133	--	--	--	.90	--	--	--	<1
JUL 06...	301	.10	2.30	1.2	3.5	3.6	.530	.220	<1

DATE	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	PHENOLS TOTAL (UG/L)
FEB 02...	--	--	--	--	--	--	--	--	--
MAY 11...	<1	20	6	4900	20	700	.14	30	--
JUL 06...	<1	6	2	1100	<10	61	.05	4	2

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	43	<1.0	<.1	<1.0	1.9	<.1	1.1	<.1	.3	<.1	<.1	<.1
JUL 06...	16	<1.0	<.1	<1.0	.5	<.1	.2	<.1	<.1	<.1	<.1	<.1

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1
JUL 06...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS--Continued

02481814 - HUGHES CREEK NR NOXAPATER, MS

DATE	TIME	STREAMFLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
FEB 02...	1600	15	82	5.6	9.0	17	11.1	97	32	5.0	K20
MAY 11...	1100	23	77	6.9	19.5	28	8.1	89	13	1.6	94
JUL 06...	1100	E1.4	290	6.8	25.0	14	7.0	86	37	2.0	420

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM ADSORPTION RATIO	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
FEB 02...	K8	23	5.7	2.2	8.4	.8	10	19	92	.30	.380
MAY 11...	200	21	5.2	1.9	5.4	.5	7.5	34	114	<.10	.040
JUL 06...	870	65	19	4.3	28	2	8.5	17	211	.30	.130

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	BERYLLIUM, DISSOLVED (UG/L AS BE)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
FEB 02...	2.9	3.3	3.6	.190	.080	--	54	<1.0	1	--
MAY 11...	.56	.60	--	.140	.060	<1	46	<1.0	<1	<1
JUL 06...	.87	1.0	1.3	.130	.080	<1	65	<1.0	<1	<1

DATE	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, DISSOLVED (UG/L AS FE)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	LITHIUM DISSOLVED (UG/L AS LI)
FEB 02...	10	--	<3	<10	--	540	--	<10	--	<4
MAY 11...	10	3	<3	<10	2	530	2200	<10	<10	<4
JUL 06...	10	3	<3	<10	2	630	660	<10	<10	6

DATE	MANGANESE, DISSOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	MOLYBDENUM, DISSOLVED (UG/L AS MO)	STRONTIUM, DISSOLVED (UG/L AS SR)	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	PHENOLS TOTAL (UG/L)
FEB 02...	160	--	1.0	--	<10	38	<6	13	--	<1
MAY 11...	210	260	--	.01	<10	37	<6	15	5	7
JUL 06...	1400	500	.1	.05	<10	100	<6	14	5	<1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS--Continued

02481814 - HUGHES CREEK NR NOXAPATER, MS--Continued

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY												
11...	7	3.0	<.1	<1.0	.3	.8	5.4	<.1	<.1	<.1	<.1	<.1
JUL												
06...	2	<1.0	<.1	<1.0	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY												
11...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1
JUL												
06...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS--Continued

024818149 - BIG SLOUGH NR NOXAPATER, MS

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
FEB 02...	1400	41	7.1	10.0	15	10.4	93	31	3.0	K62
MAY 11...	1330	54	6.2	20.5	17	7.7	86	17	.8	74
JUL 06...	1400	--	--	--	7.4	--	--	30	2.4	K44

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)
FEB 02...	110	14	59	<.10	<.010	--	2.1	--	.050	.050
MAY 11...	120	18	75	.20	.140	.46	.60	.80	.100	.020
JUL 06...	2500	23	107	<.10	.050	.65	.70	--	.060	.040

DATE	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	PHENOLS TOTAL (UG/L)
FEB 02...	--	--	--	--	--	--	--	--	--	--
MAY 11...	1	<1	7	2	1900	<10	410	.01	5	--
JUL 06...	<1	<1	6	2	1300	<10	150	.04	4	<1

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	<1	3.0	<.1	<1.0	.4	.9	2.6	<.1	<.1	<.1	<.1	<.1
JUL 06...	<1	<1.0	<.1	<1.0	.4	1.0	.8	<.1	<.1	<.1	<.1	<.1

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1
JUL 06...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS--Continued

02481815 - TALLAHAGA CREEK NR CLAYTOWN, MS

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)
MAY 11...	1430	53	6.4	22.0	7.5	87	2	<1
JUL 06...	1330	104	6.9	27.0	6.0	76	<1	<1

DATE	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
MAY 11...	5	4	8100	10	2100	.04	20
JUL 06...	9	2	6600	<10	1100	.25	5

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	11	5.0	<.1	<1.0	3.3	6.3	.8	<.1	<.1	<.1	<.1	<.1
JUL 06...	7	<1.0	<.1	<1.0	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 11...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1
JUL 06...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS--Continued

024818151 - OLD CREEK NR NOXAPATER, MS

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	ARSENIC TOTAL IN BOT-TOM MA-TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CD)
MAY								
11...	1445	55	6.4	23.5	7.1	84	1	<1

DATE	CHRO-MIUM, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	COPPER, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS PB)	MANGA-NESE, RECOV. FM BOT-TOM MA-TERIAL (UG/G)	MERCURY RECOV. FM BOT-TOM MA-TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT-TOM MA-TERIAL (UG/G AS ZN)
MAY							
11...	4	4	4200	20	820	.01	8

DATE	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PCN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDD, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DDT, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-AZINON, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDO-SULFAN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	ETHION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUL												
06...	<1	<1.0	<.1	<1.0	2.2	2.4	<.1	<.1	<.1	<.1	<.1	<.1

DATE	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	MALA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA-THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI-THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	PER-THANE IN BOTTOM MATERIL (UG/KG)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)	TRI-THION, TOTAL IN BOT-TOM MA-TERIAL (UG/KG)
JUL												
06...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

TALLAHAGA CREEK STUDY NEAR LOUISVILLE, MS--Continued

024818165 - BIG SLOUGH NR CLAYTOWN, MS

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L)
FEB 02...	1700	49	6.5	10.5	14	11.1	101	23	10
MAY 11...	1530	52	6.5	22.0	17	8.1	93	17	15
JUL 06...	1630	195	6.6	25.5	8.6	6.8	84	32	15

DATE	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)
FEB 02...	52	<.10	<.010	--	.80	--	.040	.030	--
MAY 11...	85	.20	.050	.35	.40	.60	.090	.040	--
JUL 06...	143	<.10	<.010	--	.90	--	.050	.010	<1

DATE	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY RECOV. FM BOTTOM MATERIAL (UG/G AS HG)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)
FEB 02...	--	--	--	--	--	--	--	--
MAY 11...	--	--	--	--	--	--	--	--
JUL 06...	<1	6	5	3300	<10	330	.07	7

DATE	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 06...	<1	<1.0	<.1	<1.0	2.2	2.4	<.1	<.1	<.1	<.1	<.1	<.1

DATE	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
JUL 06...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<1.00	<10	<.1

YAZOO RIVER BASIN

YAZOO RIVER STUDY NEAR GREENWOOD, MS

WATER QUALITY DATA, OCTOBER 1983 TO SEPTEMBER 1984

07281610 - TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB										
23...	0930	56	6.6	11.0	9.1	83	25	2.5	K130	360
MAY										
17...	1000	52	6.6	22.5	6.4	74	13	2.1	230	440
JUN										
27...	0900	58	6.5	26.5	7.1	89	20	1.1	760	340
JUL										
12...	0900	51	6.6	28.0	7.0	89	<10	.6	540	360
25...	0830	57	7.0	28.0	7.4	94	17	.8	170	320
AUG										
16...	0840	79	7.0	27.0	6.4	80	11	1.5	190	130
30...	0845	65	7.0	27.5	7.2	91	23	.7	K63	100
SEP										
20...	0900	69	7.8	23.0	8.5	99	<10	1.4	190	K61

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
FEB										
23...	17	3	4.5	1.5	14	46	253	82	.300	.100
MAY										
17...	17	3	4.4	1.5	14	64	--	--	.700	.830
JUN										
27...	22	2	5.6	1.9	20	112	4610	57	.400	.100
JUL										
12...	21	2	5.4	1.8	19	52	305	83	.300	<.010
25...	23	2	5.9	1.9	21	35	252	36	.300	.060
AUG										
16...	31	0	8.3	2.6	33	54	202	26	.300	.020
30...	27	0	7.1	2.3	27	44	320	28	.200	.050
SEP										
20...	27	0	7.2	2.3	28	56	216	28	.100	<.010

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB										
23...	.20	.30	.60	.240	.120	160	28	6.2	3.60	<.100
MAY										
17...	.67	1.5	2.2	.480	.210	280	37	5.2	3.30	<.100
JUN										
27...	1.0	1.1	1.5	.180	.090	94	11	8.8	1.30	<.100
JUL										
12...	--	.70	1.0	.140	.080	100	55	5.1	2.00	<.100
25...	.44	.50	.80	.210	.080	190	33	4.1	3.40	<.100
AUG										
16...	.78	.80	1.1	.140	.060	250	29	5.0	<.100	<.100
30...	.45	.50	.70	.070	.060	78	8	4.2	5.50	<.100
SEP										
20...	--	.60	.70	.080	.070	450	20	--	4.50	<.100

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07281615 - TALLAHATCHIE RIVER AT GREENWOOD, MS

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB										
23...	1030	54	6.7	11.5	9.5	87	25	2.1	K100	280
MAY										
17...	1030	52	6.7	22.5	6.5	74	15	2.4	260	330
JUN										
27...	0930	58	6.6	26.5	7.2	90	20	1.1	640	240
JUL										
12...	0915	53	6.8	28.0	7.6	97	12	.9	380	260
25...	0845	57	7.0	28.0	7.2	91	17	.4	100	100
AUG										
16...	0900	79	7.0	27.0	6.3	79	12	1.4	190	160
30...	0900	66	7.0	27.5	7.0	89	25	.7	120	140
SEP										
20...	0920	69	7.8	23.0	8.3	97	<10	1.1	240	K65

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
FEB										
23...	18	4	4.6	1.6	14	53	258	82	<.100	.010
MAY										
17...	17	3	4.5	1.5	14	84	--	--	.700	.810
JUN										
27...	22	3	5.6	1.9	19	135	4580	54	.400	.100
JUL										
12...	21	--	5.5	1.8	--	54	312	97	.400	.030
25...	23	0	6.1	2.0	23	62	298	36	.300	.040
AUG										
16...	32	0	8.4	2.7	33	54	292	30	.300	.040
30...	27	0	7.2	2.2	27	62	326	27	.200	.050
SEP										
20...	27	0	7.0	2.3	28	62	230	26	.100	<.010

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07281615 - TALLAHATCHIE RIVER AT GREENWOOD, MS

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
FEB 23...	--	--	--	--	.020	150	28	6.6	4.00	<.100
MAY 17...	.39	1.2	1.9	.480	.170	580	47	4.6	2.00	<.100
JUN 27...	1.1	1.2	1.6	.160	.090	57	4	4.2	2.00	<.100
JUL 12...	.47	.50	.90	.160	.090	110	35	4.6	<.100	<.100
25...	.46	.50	.80	.230	.090	580	24	4.2	2.60	<.100
AUG 16...	.46	.50	.80	.110	.060	220	13	4.8	3.80	<.100
30...	.65	.70	.90	.080	.060	24	3	3.9	4.40	<.100
SEP 20...	--	.70	.80	.090	.050	520	21	3.8	5.50	<.100

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
MAY 17...	1	--	2	--	<1	--	10	--	--
AUG 16...	1	<1	<1	<1	2	3	6	0	4700

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOMCMATERIAL (UG/L AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)
MAY 17...	1	--	--	.3	--	20	--	<.01
AUG 16...	4	<10	430	.2	.01	<10	10	<.01

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07281615 - TALLAHATCHIE RIVER AT GREENWOOD, MS

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
MAY											
17...	<.1	--	<.10	--	<.010	--	<.1	--	.020	--	<.010
AUG											
16...	<.1	<1	<.10	<1.0	<.010	<.1	<.1	<1.0	<.010	12	<.010

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY											
17...	--	.070	--	<.01	--	.010	--	<.010	--	<.010	--
AUG											
16...	8.7	<.010	7.0	<.01	<.1	<.010	.2	<.010	<.1	<.010	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY										
17...	<.01	--	<.010	--	<.010	--	<.010	--	<.01	--
AUG										
16...	<.01	<.1	<.010	.5	<.010	<.1	<.010	.4	.05	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY										
17...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--
AUG										
16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAY										
17...	<.1	--	<1	--	<.01	--	.03	<.01	.01	<.01
AUG										
16...	<.1	<1.00	<1	<10	<.01	<.1	.03	.02	.16	<.01

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07286965 - YALOBUSHA RIVER AT MOUTH NR GREENWOOD, MS

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB										
23...	1045	49	6.6	10.5	9.5	85	30	2.3	K29	K75
MAY										
17...	1100	52	6.7	22.5	6.5	75	15	4.2	K160	260
JUN										
27...	1000	56	6.6	26.0	8.1	100	17	.4	1300	400
JUL										
12...	0930	65	6.9	27.5	8.1	103	14	.3	860	440
25...	0900	72	7.0	28.0	7.6	97	19	1.1	130	410
AUG										
16...	0930	75	7.0	27.5	7.1	90	<10	1.5	160	K81
30...	0905	68	7.1	26.5	7.8	97	27	.6	420	210
SEP										
20...	0930	71	7.8	22.5	8.7	101	<10	.9	320	K81

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
FEB										
23...	15	5	3.6	1.4	10	42	136	58	<.100	.260
MAY										
17...	22	3	5.4	2.1	19	72	--	--	.500	.690
JUN										
27...	18	3	4.1	1.8	15	120	4460	41	.200	.150
JUL										
12...	21	--	5.0	2.0	--	62	184	101	.300	<.010
25...	24	5	5.7	2.3	19	76	177	30	.200	<.010
AUG										
16...	23	2	5.7	2.2	21	58	194	22	.200	<.010
30...	23	5	5.6	2.2	18	--	208	30	.300	.050
SEP										
20...	23	4	5.4	2.2	19	64	194	28	.100	<.010

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB										
23...	.64	.90	--	.080	.020	380	40	7.6	5.00	<.100
MAY										
17...	.81	1.5	2.0	.260	.120	260	250	4.3	4.30	<.100
JUN										
27...	.65	.80	1.0	.080	.040	40	44	5.4	2.50	<.100
JUL										
12...	--	.40	.70	.100	.060	160	42	4.9	<.100	<.100
25...	--	.50	.70	.110	.040	550	28	4.4	5.80	<.100
AUG										
16...	--	.50	.70	.120	.040	570	24	5.4	8.40	<.100
30...	.55	.60	.90	.070	.050	200	14	4.2	2.20	<.100
SEP										
20...	--	.60	.70	.060	.040	610	38	4.7	4.50	<.100

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07286985 - YAZOO RIVER BL GRENADA JUNCTION NR GREENWOOD, MS

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB										
23...	1100	53	6.7	11.0	9.5	86	25	2.7	K76	250
MAY										
17...	1130	53	6.8	23.0	6.2	72	16	3.2	K180	390
JUN										
27...	1015	57	6.7	26.0	7.2	89	10	.8	880	240
JUL										
12...	1000	54	6.9	28.0	7.7	98	28	.5	350	420
25...	0915	59	7.0	28.0	7.2	91	15	.6	K780	260
AUG										
16...	0945	78	7.0	27.0	6.4	80	<10	1.5	190	170
30...	0925	66	7.0	27.5	7.1	90	25	.7	120	130
SEP										
20...	0945	69	7.9	23.0	8.2	96	11	.9	K1900	190

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C. DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C. TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
FEB										
23...	17	4	4.3	1.4	13	44	229	75	.200	.340
MAY										
17...	18	3	4.6	1.5	15	72	--	--	.700	.780
JUN										
27...	21	4	5.2	1.9	17	109	4540	47	.300	.090
JUL										
12...	23	4	5.9	2.1	19	57	251	80	.400	<.010
25...	23	2	5.9	2.1	21	59	342	40	.200	.030
AUG										
16...	31	0	8.0	2.6	31	60	197	23	.300	.080
30...	27	0	6.9	2.3	26	38	300	30	.200	.100
SEP										
20...	26	0	6.7	2.3	26	62	230	22	.100	<.010

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB										
23...	.06	.40	.60	.170	.080	280	35	6.8	2.90	<.100
MAY										
17...	.42	1.2	1.9	.400	.150	260	54	4.6	2.00	<.100
JUN										
27...	.41	.50	.80	.150	.080	31	12	5.0	2.30	<.100
JUL										
12...	--	.50	.90	.140	.080	2100	180	3.9	<.100	<.100
25...	.47	.50	.70	.190	.080	210	16	4.3	3.00	<.100
AUG										
16...	.32	.40	.70	.110	.060	130	8	4.3	3.00	<.100
30...	.50	.60	.80	.070	.050	180	10	3.1	4.20	<.100
SEP										
20...	--	.70	.80	.090	.060	470	15	4.0	5.50	<.100

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07287002 - YAZOO RIVER AT US 49 BYPASS AT GREENWOOD, MS

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	OXYGEN, DISSOLVED (PERCENT SATURATION)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB										
23...	1130	54	6.5	11.0	9.5	86	12	1.4	K71	230
MAY										
17...	1145	55	6.8	23.0	6.1	71	13	2.1	260	300
JUN										
27...	1030	60	6.7	26.0	7.2	89	15	.5	2800	1100
JUL										
12...	1015	57	7.0	28.0	7.5	96	18	.7	760	350
25...	0930	60	7.0	28.0	7.2	91	12	.8	K1000	250
AUG										
16...	1000	79	7.0	27.0	6.4	80	<10	1.4	180	190
30...	0945	67	7.0	27.0	7.1	89	25	.7	K200	K97
SEP										
20...	1010	69	7.9	23.0	8.3	97	11	2.4	800	100

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	ALKALINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DISSOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLATILE ON IGNITION, TOTAL (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
FEB										
23...	16	3	4.1	1.5	13	43	236	80	.300	.100
MAY										
17...	18	3	4.6	1.5	15	78	--	--	.800	1.00
JUN										
27...	20	2	5.2	1.8	18	148	4660	51	.300	.170
JUL										
12...	25	--	6.2	2.2	--	52	220	87	.400	<.010
25...	23	2	5.8	2.0	21	89	320	34	.300	.060
AUG										
16...	31	0	8.1	2.7	32	58	204	28	.200	.060
30...	26	0	6.9	2.2	26	54	366	34	.200	.050
SEP										
20...	26	0	6.7	2.3	26	66	193	26	.100	<.010

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07287002 - YAZOO RIVER AT US 49 BYPASS AT GREENWOOD, MS

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
FEB										
23...	.30	.40	.70	.180	.100	130	30	6.8	4.10	<.100
MAY										
17...	.60	1.6	2.4	.400	.260	310	59	4.3	3.30	<.100
JUN										
27...	.83	1.0	1.3	.150	.080	120	51	4.0	2.30	<.100
JUL										
12...	--	.90	1.3	.140	.080	2400	210	4.8	<.100	<.100
25...	.44	.50	.80	.210	.090	170	13	4.6	4.30	<.100
AUG										
16...	.44	.50	.70	.190	.090	610	5	6.4	3.00	<.100
30...	.55	.60	.80	.070	.050	190	8	3.9	4.00	<.100
SEP										
20...	--	.60	.70	.090	.060	560	12	3.8	<.100	<.100

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOTTOM MATERIAL (UG/G AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	CHROMIUM, RECOV. FM BOTTOM MATERIAL (UG/G)	COPPER, DISSOLVED (UG/L AS CU)	COPPER, RECOV. FM BOTTOM MATERIAL (UG/G AS CU)	IRON, RECOV. FM BOTTOM MATERIAL (UG/G AS FE)
MAY									
17...	2	--	2	--	<1	--	9	--	--
AUG									
16...	1	<1	<1	2	1	3	4	0	1000

DATE	LEAD, DISSOLVED (UG/L AS PB)	LEAD, RECOV. FM BOTTOM MATERIAL (UG/G AS PB)	MANGANESE, RECOV. FM BOTTOM MATERIAL (UG/G)	MERCURY DISSOLVED (UG/L AS HG)	MERCURY RECOV. FM BOTTOMCMATERIAL (UG/L AS HG)	ZINC, DISSOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOTTOM MATERIAL (UG/G AS ZN)	CYANIDE TOTAL (MG/L AS CN)
MAY								
17...	2	--	--	.2	--	30	--	<.01
AUG								
16...	3	<10	920	.2	.12	<10	10	<.01

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07287002 - YAZOO RIVER AT US 49 BYPASS AT GREENWOOD, MS

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	CHLORDANE, TOTAL (UG/L)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDE, TOTAL (UG/L)
MAY 17...	<.1	--	<.10	--	<.010	--	<.1	--	.020	--	<.010
AUG 16...	<.1	<1	<.10	<1.0	<.010	<.1	<.1	<1.0	<.010	18	<.010

DATE	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIAZINON, TOTAL (UG/L)	DIAZINON, TOTAL IN BOTTOM MATERIAL (UG/KG)	DIELDRIN TOTAL (UG/L)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDOSULFAN, TOTAL (UG/L)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 17...	--	.080	--	<.01	--	.010	--	<.010	--	<.010	--
AUG 16...	10	<.010	7.8	<.01	<.1	<.010	.3	<.010	<.1	<.010	<.1

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG)	MALATHION, TOTAL (UG/L)	MALATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 17...	<.01	--	<.010	--	<.010	--	<.010	--	<.01	--
AUG 16...	<.01	<.1	<.010	.6	<.010	<.1	<.010	.6	.06	<.1

DATE	METHOXYCHLOR, TOTAL (UG/L)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARATHION, TOTAL (UG/L)	METHYL PARATHION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRITHION, TOTAL (UG/L)	METHYL TRITHION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG)	PARATHION, TOTAL (UG/L)	PARATHION, TOTAL IN BOTTOM MATERIAL (UG/KG)
MAY 17...	<.01	--	<.01	--	<.01	--	<.01	--	<.01	--
AUG 16...	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1

DATE	PERTHANE TOTAL (UG/L)	PERTHANE IN BOTTOM MATERIL (UG/KG)	TOXAPHENE, TOTAL (UG/L)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG)	TOTAL TRITHION (UG/L)	TRITHION, TOTAL IN BOTTOM MATERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAY 17...	<.1	--	<1	--	<.01	--	.03	<.01	.01	<.01
AUG 16...	<.1	<1.00	<1	<10	<.01	<.1	.03	.02	.14	<.01

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

YAZOO RIVER STUDY NEAR GREENWOOD, MS--Continued

07287005 - YAZOO RIVER AB PEMBERTON CUT NR GREENWOOD, MS

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
FEB										
23...	1200	54	6.6	11.0	9.1	83	22	2.3	K71	260
MAY										
17...	1230	58	6.8	23.5	5.9	69	13	2.6	210	460
JUN										
27...	1115	57	6.7	26.0	7.3	90	20	1.0	540	210
JUL										
12...	1030	58	7.0	28.0	7.4	95	14	.7	K280	300
25...	0950	62	7.0	28.0	7.2	91	15	.7	K500	880
AUG										
16...	1020	79	7.0	27.0	6.5	81	<10	1.3	200	230
30...	1000	69	7.0	27.0	6.9	86	25	.8	320	1000
SEP										
20...	1020	68	7.9	23.0	8.5	99	<10	2.1	120	140

DATE	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	ALKA-LINITY LAB (MG/L AS CACO3)	SOLIDS, RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L)	SOLIDS, VOLA-TILE ON IGNI-TION, TOTAL (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)
FEB										
23...	17	4	4.3	1.4	13	43	229	77	.300	.130
MAY										
17...	17	2	4.5	1.5	15	66	--	--	.800	.980
JUN										
27...	21	4	5.3	1.9	17	131	4540	48	.300	.070
JUL										
12...	24	--	6.1	2.2	--	61	306	82	.400	<.010
25...	23	2	5.9	2.0	21	60	272	32	.300	.070
AUG										
16...	31	0	8.2	2.6	32	63	208	26	.300	<.010
30...	28	0	7.1	2.4	27	38	282	26	.200	.050
SEP										
20...	27	0	6.5	2.6	26	60	237	31	.100	<.010

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
FEB										
23...	.27	.40	.70	.170	.100	260	30	6.3	3.80	<.100
MAY										
17...	.62	1.6	2.4	.400	.230	94	64	4.7	3.30	<.100
JUN										
27...	1.3	1.4	1.7	.140	.080	120	16	5.4	2.30	<.100
JUL										
12...	--	.50	.90	.140	.090	2400	170	3.8	<.100	<.100
25...	.23	.30	.60	.230	.110	200	12	4.5	3.20	<.100
AUG										
16...	--	.40	.70	.100	.050	97	4	3.9	<.100	<.100
30...	1.4	1.4	1.6	.070	.060	190	10	5.2	4.40	<.100
SEP										
20...	--	.80	.90	.080	.050	210	13	4.2	<.100	<.100

ADAMS COUNTY

313330091223702. Local number, C002.
LOCATION.--Lat 31°33'30", long 91°22'37", Hydrologic Unit 08060204, Irregular sec.16, T.7 N., R.3 W., at city water treatment plant on Brenham Avenue.
Owner: City of Natchez.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 607 ft.
DATUM.--Land-surface datum is 237.73 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1940, September 1955, June 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 188.23 ft below land-surface datum, Aug. 5, 1940; lowest measured, 272.72 ft below land-surface datum, Jan. 23, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	245.72	242.62	253.08	269.99	249.04	258.77	236.71	250.85	241.92	252.96	255.01	255.11
10	245.96	253.87	244.72	266.04	250.71	259.37	231.59	257.26	243.45	252.45	254.12	254.76
15	247.37	254.12	243.64	265.22	249.55	253.46	232.00	256.05	245.16	253.54	250.43	265.81
20	246.40	257.08	245.86	270.65	247.26	252.23	231.10	258.03	251.35	246.85	248.65	262.58
25	251.01	253.25	246.04	268.46	245.69	248.23	236.96	255.78	254.22	250.60	252.04	259.43
EOM	242.83	254.86	268.66	266.38	240.71	249.10	248.33	242.77	252.47	256.24	255.64	258.59

WTR YR 1984 MEAN 251.78 HIGH 230.80 APR 16 LOW 271.72 JAN 23

313256091214201. Local number, C067 (formerly D10).
LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi east of center of Natchez on Liberty Road.
Owner: Johns Manville Co.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 436 ft, cased to 392 ft.
DATUM.--Land-surface datum is 116.92 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	68.13	68.22	67.73	67.64	70.05	68.19	66.22	64.17			---	67.68
10	68.23	68.10	67.61	68.03	69.86	67.19	66.95	64.23			66.80	67.88
15	68.37	68.10	67.25	69.25	69.46	---	66.77	---			66.94	68.17
20	68.34	68.04	67.17	69.48	68.25	67.80	66.49	---			67.03	68.37
25	68.33	68.01	67.17	69.64	69.09	67.64	64.34	---			67.15	68.59
EOM	68.35	67.87	67.22	69.98	68.75	67.50	64.23	---			67.39	68.80

WTR YR 1984 MEAN 67.76 HIGH 64.17 MAY 4 AND OTHERS LOW 70.07 FEB 1 AND OTHERS

313605091202201 (formerly 313554091201201). Local number, D001.
LOCATION.--Lat 31°36'05", long 91°20'22", Hydrologic Unit 08060204, sec.12, T.7 N., R.2 W., 5 mi northeast of center of Natchez at power plant.
Owner: Mississippi Power and Light Co.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 456 ft.
DATUM.--Land-surface datum is 192.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.30 ft below land-surface datum, Oct. 8, 1981; lowest measured, 102.97 ft below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.13	86.13	85.98	86.21	85.91	85.52	85.53	85.87	---	89.03	85.86	85.85
10	87.24	86.03	87.08	86.46	86.29	85.80	85.45	93.20	---	86.33	86.41	86.01
15	87.21	85.99	85.97	86.24	85.91	85.84	85.52	92.15	---	86.08	86.22	85.75
20	86.18	85.82	86.26	86.27	85.69	85.52	85.47	90.86	---	86.32	85.93	86.14
25	86.22	86.01	86.57	85.96	85.82	85.56	85.61	90.63	89.16	86.09	85.81	86.12
EOM	86.41	86.05	86.64	86.28	85.73	85.61	85.65	90.73	89.77	86.82	86.45	86.69

WTR YR 1984 MEAN 86.65 HIGH 85.25 MAR 28 LOW 93.57 MAY 11

ADAMS COUNTY--Continued

312730091200602. Local number, G007.
LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi southeast of center of Natchez on Kingston Road.
Owner: Adams County Water Association.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 267 ft, cased to 217 ft.
DATUM.--Land-surface datum is about 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.03 ft below land-surface datum, Mar. 30, 1979; lowest measured, 64.15 ft below land-surface datum, Nov. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	63.76	APR 17	63.38

312752091202201. Local number, G021.
LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi southeast of center of Natchez on Kingston Road.
Owner: Adams County Water Association.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 880 ft, cased to 8.40 ft.
DATUM.--Land-surface datum is about 223 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--November 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft below land-surface datum, June 5, 1975; lowest measured, 171.97 ft below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	168.21	APR 17	168.09

ALCORN COUNTY

345545088311002. Local number, G003.
LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi south of center of Corinth.
Owner: City of Corinth.
AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 245 ft.
DATUM.--Land-surface datum is about 432 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent on railroad side of pump base, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft below land-surface datum, Sept. 27, 1961; lowest measured, 12.00 ft below land-surface datum, Oct. 8, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	10.41

345456088313001. Local number, G057.
LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi south of center of Corinth.
Owner: City of Corinth.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 453 ft, cased to 410 ft.
DATUM.--Land-surface datum is 463 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 100.9 ft below land-surface datum, Oct. 17, 1962; lowest measured, 224.4 ft below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	182.59	190.88	189.54		---	191.72	188.71	188.78	192.54	194.66	196.15	198.14
10	182.17	189.52	189.75		192.87	191.73	189.12	189.76	193.15	194.62	196.57	197.91
15	181.87	189.80	189.71		192.61	191.47	189.38	190.88	194.02	194.88	196.79	197.92
20	186.35	189.87	188.50		192.42	188.44	189.47	192.66	194.40	194.37	197.15	197.94
25	189.56	189.83	---		192.25	187.19	189.03	192.62	192.77	195.13	197.75	196.74
EOM	190.77	189.87	---		192.04	189.54	189.42	192.30	194.17	195.63	198.12	197.96

WTR YR 1984 MEAN 191.92 HIGH 181.67 OCT 17 LOW 198.30 SEP 23

ALCORN COUNTY--Continued

345604088321902. Local number, G101.
LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi west of center of Corinth, 0.2 mi north of Ramada Inn.
Owner: City of Corinth.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 520 ft, cased to 460 ft.
DATUM.--Land-surface datum is about 480 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in well head, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--February 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft below land-surface datum, Feb. 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	164.49

344642088340501. Local number, K011.
LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 3 mi northwest of center of Rienzi, 0.5 mi west of U.S. Highway 45.
Owner: C. B. Curlee.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 574 ft, cased to 478 ft.
DATUM.--Land-surface datum is about 460 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--September 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft below land-surface datum, Dec. 17, 1961; lowest measured, 122.69 ft below land-surface datum, Apr. 24, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	122.69

344642088333001. Local number, K053.
LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 2.5 mi northwest of center of Rienzi on U.S. Highway 45 at roadside park.
Owner: Mississippi State Highway Department.
AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 210 ft, cased to 190 ft.
DATUM.--Land-surface datum is about 450 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--July 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft below land-surface datum, July 19, 1973; lowest measured, 45.10 ft below land-surface datum, Dec. 1, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	43.71

ATTALA COUNTY

330713089365402. Local number, G013.
LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 4.5 mi northwest of center of Kosciusko on State Highway 35.
Owner: Fred Turnipseed.
AQUIFER.--Winona Sand of middle Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in, depth 22 ft.
DATUM.--Land-surface datum is about 361 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in concrete cap, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--January 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.23 ft below land-surface datum, Apr. 13, 1983; lowest measured, 15.22 ft below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	10.07

ATTALA COUNTY--Continued

330110089455001. Local number, K022.
LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW¼SW¼ sec.35, T.14 N., R.5 E., at center of Sallis.
Owner: Town of Sallis.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth reported 356 ft, cased to about 300 ft.
DATUM.--Land-surface datum is about 280 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in pipe (since May 22, 1957), 1.30 ft above land-surface datum.
PERIOD OF RECORD.--1913, June 1957 to April 1963, May 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft above land-surface datum, 1913; lowest measured, 1.00 ft above land-surface datum, Dec. 20, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 3	1.4

330328089365901. Local number, M008.
LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE¼ sec.20, T.14 N., R.7 E., 0.2 mi northwest of center of Kosciusko on Adams Street.
Owner: Barnett Moving Company.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 456 ft.
DATUM.--Land-surface datum is about 423 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.70 ft above land-surface datum.
PERIOD OF RECORD.--March 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft below land-surface datum, Mar. 13, 1962; lowest measured, 124.08 ft below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	116.17

330330089354401. Local number, M029.
LOCATION.--Lat 33°03'30", long 89°35'44", Hydrologic Unit 03180001, SW¼NW¼ sec.21, T.14 N., R.7 E., 0.1 mi west of center of Kosciusko on Jefferson Street.
Owner: City of Kosciusko.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 387 ft, cased to 367 ft.
DATUM.--Land-surface datum is about 472 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--March 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft below land-surface datum, Mar. 13, 1962; lowest measured, 165.73 ft below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	158.45

330241089270501. Local number, N013.
LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE¼NW¼ sec.26, T.14 N., R.8 E., 8 mi east of center of Kosciusko on north side of State Highway 14.
Owner: Houston Veasey.
AQUIFER.--Neshoba Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in, depth 30 ft.
DATUM.--Land-surface datum is about 510 ft National Geodetic Vertical Datum of 1929. Measuring point: Inside lip of curb, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--March 1958 to March 1959, June 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft below land-surface datum, Mar. 12, 1959; lowest measured, 23.50 ft below land-surface datum, Dec. 11, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	21.22

ATTALA COUNTY--Continued

325844089462701. Local number, Q014.

LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 3.1 mi south of center of Sallis on west side of State Highway 429.
Owner: Tom Aldy.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in, depth 409 ft.

DATUM.--Land-surface datum is about 290 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in casing, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--June 1957 to July 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft below land-surface datum, Mar. 13, 1958; lowest measured, 4.96 ft below land-surface datum, Apr. 11, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	3.96

325902089333901. Local number, S021.

LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi south of center of Kosciusko on east side of State Highway 35.
Owner: United Gas Co.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 360 ft, cased to 340 ft.

DATUM.--Land-surface datum is about 488 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft below land-surface datum, October 1961; lowest measured, 168.75 ft below land-surface datum, Apr. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	167.85

BOLIVAR COUNTY

335630090461501. Local number, D031.

LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 0.1 mi west of center of Shelby at old waterworks.
Owner: Town of Shelby.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,575 ft.

DATUM.--Land-surface datum is about 147 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 1.30 ft above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft above land-surface datum, May 11, 1977; lowest measured, 26.05 ft below land-surface datum, Mar. 28, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 to SEPTEMBER 1984

DATE	WATER LEVEL
MAR 28	26.05

335558090465202. Local number, D032.

LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi southwest of center of Shelby on State Highway 32 at park.
Owner: Town of Shelby.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 409 ft.

DATUM.--Land-surface datum is about 150 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in casing plug, 0.30 ft above land-surface datum.

PERIOD OF RECORD.--September 1949, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.72 ft below land-surface datum, Oct. 15, 1983; lowest measured, 49.70 ft below land-surface datum, Apr. 13, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	20.72	MAR 28	31.80

334957090564301. Local number, F020.
LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 5 mi southeast of center of Rosedale on south side of State Highway 8.
Owner: R. C. Malone.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in, depth 120 ft, screened 80-120 ft, cased to 80 ft.
DATUM.--Land-surface datum is about 145 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft above land-surface datum.
REMARKS.--Water levels affected by seasonal irrigation pumping.
PERIOD OF RECORD.--November 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft below land-surface datum, Apr. 7, 1959; lowest measured, 57.32 ft below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	26.54	JAN 12	26.37	MAR 28	26.05	APR 30	26.31	SEP 15	26.37

334700090584501. Local number, J008.
LOCATION.--Lat 33°47'00", long 90°58'45", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., near center of Beulah.
Owner: Town of Beulah.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well diameter 8 in, depth 754 ft.
DATUM.--Land-surface datum is about 145 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--October 1968, March 1971, April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27 ft below land-surface datum, Oct. 1, 1968; lowest measured, 38.50 ft below land-surface datum, Sept. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	36.59	MAR 27	33.68	SEP 26	38.50

334106090590902. Local number, N002.
LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi northeast of center of Benoit on east side of State Highway 1.
Owner: Welshans and Litton.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in, depth 96 ft.
DATUM.--Land-surface datum is about 135 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.
REMARKS.--Water levels affected by seasonal irrigation pumping.
PERIOD OF RECORD.--November 1953 to October 1963, January 1965 to October 1966, April 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft below land-surface datum, May 13, 1958; lowest measured, 27.22 ft below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	23.37	JAN 12	22.40	MAR 27	20.81	MAY 1	21.39	SEP 15	20.84

333959090435001. Local number, Q150.
LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ sec.17, T.21 N., R.5 W., at O'Reilly at gin.
Owner: Jones Bayou Gin Association.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in, depth 1,310 ft, cased to 1,310 ft.
DATUM.--Land-surface datum is 133.66 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in pipe, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--May 1939 to October 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.10 ft above land-surface datum, May 30, 1939; lowest measured, 15.40 ft below land-surface datum, Mar. 27, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 27	15.40

BOLIVAR COUNTY--Continued

333530090582401. Local number, R064.
LOCATION.--Lat 31°35'30", long 90°58'24", Hydrologic Unit 08030209, SE¼SE¼ sec.1 , T.20 N., R.8 W., at Stringtown.
Owner: H and H Planting Co.
AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 520 ft.
DATUM.--Land-surface datum is 133 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.8 ft above land-surface datum.
PERIOD OF RECORD.--May 1939, November 1960, October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft below land-surface datum, May 5, 1939; lowest measured, 40.27 ft below land-surface datum, Oct. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	40.27	MAR 27	39.13

CALHOUN COUNTY

335118089175901. Local number, K101.
LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ sec.13, T.23 N., R.9 E., 0.3 mi northeast of center of Calhoun City at Adams Street and Taylor Street.
Owner: Town of Calhoun City.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,897 ft, cased to 1,857 ft.
DATUM.--Land-surface datum is about 270 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in north side of pump base, 1.30 ft above land-surface datum.
REMARKS.--Water levels affected by pumping.
PERIOD OF RECORD.--February 1955 to April 1967, June 1969, June 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.75 ft below land-surface datum, Mar. 14, 1957; lowest measured, 87.39 ft below land-surface datum, Apr. 23, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 23	87.39

CARROLL COUNTY

333116089550401. Local number, F001.
LOCATION.--Lat 33°31'16", Long 89°55'04", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrolton at old water plant.
Owner: Town of North Carrollton.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,274 ft.
DATUM.--Land-surface datum is about 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Faucet below pump base, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--March 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.00 ft above land-surface datum, Mar. 21, 1979; lowest measured, 5.56 ft above land-surface datum, Apr. 11, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	11.19

333057089552002. Local number, F019.
LOCATION.--Lat 33°30'57", long 89°55'20", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant.
Owner: Town of North Carrollton.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 440 ft.
DATUM.--Land-surface datum is about 225 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in side of pump base, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--May 1961, May 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft below land-surface datum, May 1, 1961; lowest measured, 13.04 ft below land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	9.35

CHICKASAW COUNTY

340030088444801. Local number D006.
LOCATION.--Lat 34°00'30", long 88°44'48", Hydrologic Unit 03160101, NW¼SE¼ sec.26, T.12 S., R.5 E., at Okolona at old water plant.
Owner: Town of Okolona.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well 10 in, depth reported 400 ft.
DATUM.--Land-surface datum is about 307 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete well base, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft below land-surface datum, 1917; lowest measured, 161.0 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET, BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 9	152.95	APR 25	150.56

335400088595001. Local number, F016.
LOCATION.--Lat 33°54'00", long 88°59'50", Hydrologic Unit 03160104, SW¼SW¼ sec.33, T.13 S., R.3 E., near center of Houston at old water plant.
Owner: Town of Houston.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,076 ft.
DATUM.--Land-surface datum is about 340 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft below land-surface datum, 1940; lowest measured 181.55 ft below land-surface datum, May 15, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 15	181.55

335400088594601. Local number, F018.
LOCATION.--Lat 33°54'00", long 88°59'46", Hydrologic Unit 03160104, SW¼SW¼, sec.33, T.13 S., R.3 E., near center of Houston at old water plant.
Owner: Town of Houston.
AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 130 ft.
DATUM.--Land-surface datum is about 340 ft National Geodetic Vertical Datum of 1929. Measuring point: plug in pump base, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--1970, May 1972, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft below land-surface datum, Mar. 21, 1979; lowest measured, 64 ft below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 23	59.22

335136089005301. Local number, K037.
LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 2.5 mi south of center of Houston on west side of State Highway 15.
Owner: J. D. McAlpin.
AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 130 ft, cased to 80 ft.
DATUM.--Land-surface datum is about 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--October 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft below land-surface datum, Mar. 20, 1962; lowest measured, 67.10 ft below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 23	62.80

CHOCTAW COUNTY

331849089105101. Local number, H001.
LOCATION.--Lat 33°18'49", long 89°10'51", Hydrologic Unit 03180001, NE¼NE¼ sec.30, T.17 N., R.11 E., 0.2 mi west of center of Ackerman.
Owner: Town of Ackerman.
AQUIFER.--Sand of Wilcox Formation of early Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 100 ft, cased to 76 ft.
DATUM.--Land-surface datum is about 518 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1957, October 1969, February 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft below land-surface datum, 1957; lowest measured, 28.72 ft below land-surface datum, Dec. 23, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.68	23.67	22.78	23.98	23.98	22.42	22.18	22.67	23.98	21.80	23.98	---
10	22.91	23.45	23.20	23.70	23.83	21.65	21.91	22.91	24.03	23.07	---	18.86
15	23.01	23.18	22.34	24.72	23.55	22.61	22.65	22.70	24.75	19.87	---	18.86
20	23.37	22.41	22.59	23.63	23.15	22.02	22.60	21.27	---	24.66	---	18.11
25	22.95	23.68	16.31	23.79	23.14	22.31	22.62	23.16	24.35	24.71	---	24.65
EOM	22.28	23.13	23.89	23.97	23.03	21.92	22.31	23.50	24.35	23.51	---	24.46

WTR YR 1984 MEAN 22.78 HIGH 16.31 DEC 25 LOW 25.19 JUL 26

331543089171801. Local number, J035.
LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi south of center of Weir near Baptist Church.
Owner: Inez Power.
AQUIFER.--Sand of upper part of Wilcox Group of early Eocene age.
WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in, depth 28 ft.
DATUM.--Land-surface datum is about 485 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 30-in concrete curb, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.86 ft below land-surface datum, May 7, 1980; lowest measured, 22.97 ft below land-surface datum, Dec. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	19.95	FEB 7	18.00	APR 5	16.00	JUN 25	16.25	AUG 9	17.65	SEP 21	19.88
DEC 1	19.75										

CLAIBORNE COUNTY

315718090591501. Local number, L005.
LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 0.2 mi south of center of Port Gibson at Oak Street and Main Street.
Owner: Town of Port Gibson.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth reported 250 ft.
DATUM.--Land-surface datum is about 120 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.87 ft below land-surface datum, Apr. 22, 1963; lowest measured, 125.52 ft below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	111.48	APR 17	119.27	JUL 9	117.08

CLAY COUNTY

333620088392503. Local number, H004.
LOCATION.--Lat 33°36'20", long 88°39'00", Hydrologic Unit 03160104, NW¼NE¼ sec.15, T.17 S., R.6 E., 0.2 mi southwest of center of West Point.
Owner: City of West Point.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20 in, depth 386 ft.
DATUM.--Land-surface datum is about 215 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 3.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1953, February 1981 to June 1984 (Discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99 ft below land-surface datum, December 1953; lowest measured, 199.13 ft below land-surface datum, Jan. 4, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	182.20	NOV 19	185.35	JAN 11	198.20	FEB 23	186.90	APR 25	198.37

333712088384601. Local number, H046.
LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE¼NW¼ sec.11, T.17 S., R.6 E., 1 mi northeast of center of West Point on east side of Illinois Central Railroad.
Owner: City of West Point.
AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 810 ft, cased to 750 ft.
DATUM.--Land-surface datum is about 240 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.10 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft below land-surface datum, July 16, 1963; lowest measured, 86.69 ft below land-surface datum, Dec. 2, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	74.06	73.97	73.02	74.30	73.41	74.06	74.10	73.71	74.16	74.30	75.01	74.97
10	73.55	74.18	73.61	74.16	74.38	74.15	74.42	74.43	74.45	74.85	75.00	75.01
15	73.75	74.47	74.32	73.92	74.12	74.75	73.73	74.17	74.80	74.79	75.04	75.63
20	74.02	72.82	73.96	74.77	73.69	73.98	74.18	74.21	74.48	75.07	74.91	75.36
25	74.24	73.24	71.58	73.79	73.95	74.08	73.90	74.40	74.35	74.89	75.16	---
EOM	74.20	73.96	75.00	73.75	74.47	74.49	74.17	74.42	74.65	74.84	75.30	---

WTR YR 1984 MEAN 74.27 HIGH 71.35 MAY 27 LOW 75.77 SEP 13

333530088393501. Local number, H151.
LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec.22, T.17 S., R.6 E., 4.5 mi north of West Point on west side of U.S. Highway 45.
Owner: Prairie Livestock.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 400 ft.
DATUM.--Land-surface datum is about 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent, at land-surface datum.
PERIOD OF RECORD.--September 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.82 ft below land-surface datum, Apr. 5, 1978; lowest measured, 190.20 ft below land-surface datum, Oct. 5, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	163.68

COAHOMA COUNTY

342400090322001. Local number, C111.
LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi south of center of Rich at Rose Acres Plantation headquarters.
Owner: Norfleet and Wilsford.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3-2 in, depth 1,837 ft,screened 1,796-1,837 ft.
DATUM.--Land-surface datum is 180.88 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in tee, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--March 1940 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft above land-surface datum, July 26, 1940; lowest measured, 8.58 ft below land-surface datum, Oct. 18, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 18	8.58

COAHOMA COUNTY--Continued

341720090304301. Local number, F012.
LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 8 mi northeast of center of Clarksdale at airport on U.S. Highway 61.
Owner: City of Clarksdale.
AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 900 ft.
DATUM.--Land-surface datum is about 168 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft below land-surface datum, Apr. 14, 1971; lowest measured, 13.68 ft below land-surface datum, Oct. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	13.68	MAR 28	13.39	APR 15	12.61

341311090371801. Local number, J005.
LOCATION.--Lat 34°13'11", long 90°37'18", Hydrologic Unit 08030207, SW¼NE¼SW¼ sec.9, T.27 N., R.4 W., 3.2 mi northwest of Clarksdale.
Owner: E.L. Anderson.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 118 ft.
DATUM.--Land-surface datum is about 172 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.40 ft above land-surface datum.
PERIOD OF RECORD.--April 1955, September 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23 ft below land-surface datum, April 1955; lowest measured, 28.45 ft below land-surface datum, July 27, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.82	27.60	26.95	26.64	27.07	26.80	26.20	---	26.26	26.64	27.06	27.21
10	27.78	27.56	27.07	26.78	26.92	26.78	26.16	---	26.20	26.72	27.14	27.24
15	27.77	27.58	27.22	26.54	26.90	26.72	26.10	---	26.24	26.76	27.16	27.30
20	27.70	27.44	27.02	26.54	26.92	26.62	26.06	---	26.36	27.05	27.21	27.26
25	27.66	27.36	26.92	27.04	26.86	26.64	26.02	---	26.48	27.13	27.22	27.26
EOM	27.62	27.40	26.82	27.07	26.94	26.34	---	26.14	26.54	27.14	27.24	27.22

WTR YR 1984 MEAN 26.93 HIGH 26.02 APR 25 AND OTHERS LOW 27.85 OCT 1

341202090343701. Local number, J098.
LOCATION.--Lat 34°12'02", long 90°34'37", Hydrologic Unit 08030207, SW¼NE¼ sec.23, T.27 N., R.4 W., 0.2 mi west of center of Clarksdale at Second Street and Riverside Avenue.
Owner: City of Clarksdale.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 1,200 ft.
DATUM.--Land-surface datum is about 150 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in pipe, 0.30 ft above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft below land-surface datum, Apr. 2, 1976; lowest measured, 9.60 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	9.60	MAR 28	8.57	APR 15	9.00

341230090323101. Local number, K022.
LOCATION.--Lat 34°12'30", long 90°32'31", Hydrologic Unit 08030207, SW¼NE¼ sec.18, T.27 N., R.3 W., near center of Lyon.
Owner: Town of Lyon.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,242 ft.
DATUM.--Land-surface datum is about 170 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--October 1961, August 1973, July 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 30 ft above land-surface datum, Oct. 30, 1961; lowest measured, 25.91 ft below land-surface datum, Apr. 21, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	25.12	APR 28	23.90

COPIAH COUNTY

315130090233901. Local number, P008.
LOCATION.--Lat 31°51'30", long 90°23'39", Hydrologic Unit 03180003, SW¼ sec.10, T.10 N., R.8 E., at water plant near center of Hazlehurst.
Owner: Town of Hazlehurst.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 300 ft, cased to 260 ft.
DATUM.--Land-surface datum is about 442.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 10-in casing at land-surface datum.
PERIOD OF RECORD.--1954, 1957, August 1971, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 167.99 ft below land-surface datum, Mar. 23, 1983; lowest measured, 196 ft below land-surface datum, 1954.

WATER LEVEL BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 18	171.46

315128090205202. Local number, P049.
LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec.12, T.10 N., R.8 E., 3 mi east of center of Hazlehurst at Shady Grove Community.
Owner: Town of Hazlehurst.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 295 ft, cased to 225 ft.
DATUM.--Land-surface datum is about 435 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.60 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--1967, August 1971, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft below land-surface datum, 1967; lowest measured, 143.60 ft below land-surface datum, Apr. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 18	134.41

COVINGTON COUNTY

314447089302201.--Local number, C028.
LOCATION.--Lat 31°44'47", long 89°30'22", Hydrologic Unit 03170004, NW¼SW¼ sec.15, T.9 N., R.15 W., 10 mi southeast of Mt. Olive on State Highway 532.
Owner: Mississippi Forestry Commission.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 250 ft.
DATUM.--Land-surface datum is about 400 ft National Vertical Datum of 1929. Measuring point: Top of concrete slab, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--August 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.83 ft below land-surface datum, Mar. 31, 1981; lowest measured, 123.95 ft below land-surface datum, Apr. 13, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 13	122.24

313352089243202.--Local number, L019.
LOCATION.--Lat 31°33'52", long 89°24'32", Hydrologic Unit 03170004, NE¼NW¼ sec.21, T.7 N., R.14 W., 6 mi east of Seminary on Hwy 590.
Owner: Southwest Jones Water Association.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 900 ft.
DATUM.--Land-surface datum is about 435 ft. Measuring point: Top of 4 in casing, 1.00 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--December 1972, April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 205 ft below land-surface datum, December 31, 1972; lowest measured, 333.54 ft below land-surface datum, April 13, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 13	333.54

DE SOTO COUNTY

345726089492901. Local number, D002.

LOCATION.--Lat 34°57'26" long 89°49'29", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., 0.35 mi east of center of Olive Branch.
Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 266 ft.

DATUM.--Land-surface datum is about 400 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1956, January 1973, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.40 ft below land-surface datum, 1956; lowest measured, 154.89 ft below land-surface datum, Apr. 27, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	141.23	MAR 28	140.54

FORREST COUNTY

312115089193601. Local number, B006.

LOCATION.--Lat 31°21'15", long 89°19'36", Hydrologic Unit 03170004, SE¼NW¼ sec.32, T.5 N., R.13 W., 2.8 mi northwest of center of Hattiesburg on Lakeview Road.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 444 ft.

DATUM.--Land-surface datum is 167.27 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--September 1955, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9 ft below land-surface datum, Sept. 1, 1955; lowest measured 37.42 ft Oct. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.29	34.84	33.88	35.72	35.45	34.08	33.39	32.98	33.30	34.20		
10	35.16	34.78	34.37	35.32	32.90	34.81	32.91	31.42	34.22	33.12		
15	35.06	34.69	34.19	33.16	34.57	34.44	32.28	30.05	34.34	34.87		
20	34.85	34.31	34.00	35.56	34.82	33.96	33.18	32.30	34.21	34.60		
25	32.23	34.28	34.19	36.15	34.76	33.29	31.86	29.97	34.28	---		
EOM	34.90	34.46	35.45	36.21	34.77	33.43	33.09	31.95	34.34	---		

WTR YR 1984 MEAN 33.82 HIGH 29.54 MAY 28 LOW 36.30 OCT 4

311834089170101. Local number, D008.

LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 2 mi southeast of center of Hattiesburg at Williams Street and Alcorn Street.
Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 710 ft, screened 610-710 ft.

DATUM.--Land-surface datum is about 140 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.75 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--December 1964, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft below land-surface datum, Dec. 21, 1964; lowest measured, 97.88 ft below land-surface datum, May 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	82.44

FORREST COUNTY--Continued

311137089110501. Local number, G116.
LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi east of south gage of Camp Shelby at Jackson Avenue and 39th Street.
Owner: U.S. Government-Mississippi National Guard. Camp Shelby.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-3 in, depth 416 ft, screened 382-416 ft.
DATUM.--Land-surface datum is 258.44 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in casing flange, 2.00 ft above land-surface datum.
REMARKS.--Occasional pumping nearby.
PERIOD OF RECORD.--1943-45, February 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.08 ft below land-surface datum, Apr. 2, 1954; lowest measured, 143.88 ft below land-surface datum, Oct. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	147.74

310130089094301 (formerly 310130089093101). Local number, L023.
LOCATION.--Lat 31°01'30", long 89°09'43", Hydrologic Unit 03170007, NW¼NW¼ sec.25, T.1 N., R.12 W., 3 mi southeast of center of Brooklyn at Ashe Nursery.
Owner: Ashe Nursery.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 728 ft.
DATUM.--Land-surface datum is about 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.50 ft below land-surface datum, Aug. 5, 1971, lowest measured, 180.55 ft below land-surface datum, May 9, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	180.55

FRANKLIN COUNTY

313026091035101. Local number, F001.
LOCATION.--Lat 31°30'26", long 91°03'51", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 0.1 mi northeast of center of Roxie at 3rd Street and East Boulevard.
Owner: Town of Roxie.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 250 ft, cased to 230 ft.
DATUM.--Land-surface datum is about 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.90 ft above land-surface datum.
PERIOD OF RECORD.--May 1960 to April 1972, May 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.89 ft below land-surface datum, Mar. 22, 1976; lowest measured, 28.78 ft below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 18	20.44

GREENE COUNTY

311435088312201 (Formerly 313530088310501). Local number, M002.
LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE¼NW¼ sec.7, T.3 N., R.5 W., 8 mi northeast of center of Leakesville.
Owner: H. F. Garreston, Jr.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELLL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 703 ft.
DATUM.--Land-surface datum is about 107 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--January 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft above land-surface datum, Jan. 22, 1970; Apr. 24, 1974; lowest measured, 15.0 ft above land-surface datum, Apr. 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	15.0

GREENE COUNTY--Continued

310856088325401. Local number P039.

LOCATION.--Lat 31°08'56", long 88°32'54", Hydrologic Unit 03170003, NW¼SW¼ sec.12, T.2 N., R.6 W., at Leakesville Landing at Chickasawhay River. Bridge downstream side north end of bridge.
Owner: Pat Harrison Waterway District.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled recreation well, diameter 2 in, depth 341 ft.

DATUM.--Land-surface datum is about 80 ft National Geodetic Vertical Datum of 1929. Measuring point: End of 2-in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level 19.0 ft above land-surface datum, Dec. 16, 1981; lowest measured, 16.2 ft above land-surface datum, Apr. 22, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 10	16.6

GRENADA COUNTY

335032089473101. Local number B102.

LOCATION.--Lat 33°50'32", long 89°47'31", Hydrologic Unit 08030205, SE¼SE¼ sec.20, T.23N., R.5 E., 4 mi north of center of Grenada at Grenada Airport.
Owner: City of Grenada.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 195 ft.

DATUM.--Land-surface datum is 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.72 ft below land-surface datum, Mar. 29, 1984; lowest water level measured, 6.52 ft below land-surface datum, Apr. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBR 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	1.80	MAR 29	1.72

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE¼SE¼ sec.16, T.22 N., R.3 E., 0.2 mi northwest of center of Holcomb at school.
Owner: Holcomb School.

AQUIFER.--Sand of Wilcox Group of late Paleocene.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 983 ft, screened 943-983 ft.

DATUM.--Land-surface datum is 183.14 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in tee, 1.40 ft above land-surface datum, or top of discharge pipe, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1939 to June 1969, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.4 ft above land-surface datum, July 31, 1941; lowest measured, 6.0 ft above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	9.00	MAR 29	6.00

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE¼SE¼ sec.11, T.21 N., R.5 E., 1 mi east of center of Elliot on west bank of Batupan Bogue.
Owner: E. T. Hill.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 502 ft, screened 421-502 ft.

DATUM.--Land-surface datum is 208.69 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft above land-surface datum.

PERIOD OF RECORD.--1943, February 1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft above land-surface datum, Jan. 2, 1943; lowest measured, 2.09 ft below land-surface datum, Apr. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	1.54	MAR 29	1.83

GRENADA COUNTY--Continued

334147089433801. Local number, H113.
LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE¼SW¼ sec.12, T.21 N., R.5 E., 1.5 mi east of center of Elliot.
Owner: J. W. Willis, Sr.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-10 in, depth 211 ft, screened 161-211 ft.
DATUM.--Land-surface datum is 216.70 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft above land-surface datum.
PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.96 ft below land-surface datum, Mar. 21, 1979; lowest measured, 15.74 ft below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	9.60	MAR 29	7.93

334148089425701. Local number, J002.
LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec.7, T.21 N., R.6 E., 2.5 mi east of center of Elliot.
Owner: J. W. Willis, Jr.
AQUIFER.--Sand of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in, depth 429 ft, cased to 390 ft.
DATUM.--Land-surface datum is 227.21 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 1.50 ft above land-surface datum.
PERIOD OF RECORD.--September 1942, October 1956 to October 1963, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft above land-surface datum, Sept. 19, 1942; lowest measured, 17.72 ft below land-surface datum, Apr. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	15.17	MAR 29	14.58

HANCOCK COUNTY

302158089372901. Local number, H003.
LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec.8, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,524 ft, cased to 1,464 ft.
DATUM.--Land-surface datum is 28 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 4.20 ft above land-surface datum.
PERIOD OF RECORD.--January 1963, October 1965 to January 1968, April 1970, April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft above land-surface datum, January 1963; lowest measured, 50.75 ft above land-surface datum, Oct. 10, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	50.75

302140089345901. Local number, H004.
LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 1,873 ft, cased to 1,803 ft.
DATUM.--Land-surface datum is 21 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet 1.90 ft above land-surface datum.
PERIOD OF RECORD.--1963, August 1965 to January 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104 ft above land-surface datum, 1963; lowest measured, 66.00 ft above land-surface datum, Oct. 10, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	66.00

HANCOCK COUNTY--Continued

302227089373001. Local number, H005.

LOCATION.--Lat 30°22'27", long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec.5, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,481 ft, cased to 1,420 ft.

DATUM.--Land-surface datum 29 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 5.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1964 to March 1968, Apr. 1, 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.3 ft above land-surface datum June 3, 1966; lowest measured, 49.5 ft above land-surface datum Oct. 10, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	49.5

302140089351401. Local number, H006.

LOCATION.--Lat 30°21'40", long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 1,695 ft, cased to 1,585 ft.

DATUM.--Land-surface datum is 23 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 3.0 ft above land-surface datum.

PERIOD OF RECORD.--October 1965 to February 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.9 ft above land-surface datum, Nov. 11, 1965; lowest measured, 57.75 ft above land-surface datum, Oct. 14, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 14	57.75

302206089350601. Local number, H007.

LOCATION.--Lat 30°22'06", long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,434 ft, cased to 1,371 ft.

DATUM.--Land-surface datum is 25 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder, 0.4 ft below land-surface datum.

PERIOD OF RECORD.--1964, 1967, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.6 ft above land-surface datum, Mar. 1, 1967; lowest measured, 54.10 ft above land-surface datum, Oct. 14, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	55.0

302126089351401. Local number, H008.

LOCATION.--Lat 30°21'26", long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec.10, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Graham Ferry Formation of Pliocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in, depth 672 ft, cased to 460 ft.

DATUM.--Land-surface datum is about 19 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--April 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.9 ft above land-surface datum, Apr. 19, 1965; lowest measured, 2.35 ft above land-surface datum, Oct. 10, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	2.35

302118089351501. Local number, H011.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 676 ft, cased to 646 ft.
DATUM.--Land-surface datum is 21.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in gate valve, 2.90 ft above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.5 ft above land-surface datum, Apr. 20, 1972; lowest measured, 6.95 ft above land-surface datum, Oct. 10, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	6.95

302118089351502. Local number, H012.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 599 ft, cased to 569 ft.
DATUM.--Land-surface datum is 20.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in gate valve, 2.90 ft above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.5 ft above land-surface datum, Apr. 20, 1972; lowest measured, 5.5 ft above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	5.75

302118089351503. Local number, H013.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA).
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 491 ft, cased to 461 ft.
DATUM.--Land-surface datum is 21.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in gate valve, 2.60 ft above land-surface datum.
PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.5 ft above land-surface datum, Apr. 20, 1972, lowest measured, 1.0 ft above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	3.10

302118089351504. Local number, H014.
LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.16 W., 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Mississippi Test Facility (NASA)
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 144 ft, cased to 84 ft.
DATUM.--Land-surface datum is about 20 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--1968, January 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.6 ft below land-surface datum, May 1, 1974; lowest measured, 8.3 ft below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 10	6.30

HANCOCK COUNTY--Continued

301858089202301. Local number, K001.

LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 0.5 mi south of center of Bay St. Louis at St. Charles Street and Hancock Street.

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,300 ft, cased to 1,280 ft.

DATUM.--Land-surface datum is about 16 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--November 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft above land-surface datum, Nov. 1, 1960; lowest measured, 5.08 ft below land-surface datum, Sept. 13, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	4.32	MAY 11	4.96	SEPT 13	5.08

301900089201801. Local number, K004.

LOCATION.--Lat 30°19'00", long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., 0.2 mi north of Beach Boulevard on St. Charles Street.

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS--Drilled public-supply artesian well, diameter 8 in, depth 1,210 ft, cased to 1,150 ft.

DATUM.--Land-surface datum is about 16 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.

REMARKS.--Water levels affected by length of time pump off before measurement made.

PERIOD OF RECORD.--August 1975, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft above land-surface datum, August 1975; lowest water level measured 2.60 ft above land-surface datum, Apr. 28, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	11.5	JUN 1	7.1

HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi northwest of center of Lyman at fish hatchery.

Owner: Mississippi Game and Fish Commission.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 456 ft, screened 416-456 ft.

DATUM.--Land-surface datum is about 70 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1939, July 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft below land-surface datum, Apr. 14, 1939; lowest measured, 59.86 ft below land-surface datum, Oct. 26, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	59.86	MAY 11	59.70

302240089025401. Local number, L144.

LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi east of center of Gulfport at V.A. Hospital on U.S. Highway 90.

Owner: U.S. Government (V.A. Hospital).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 898 ft, cased to 818 ft.

DATUM.--Land-surface datum is about 21 ft National Geodetic Vertical Datum of 1929. Measuring point: Steel plate on top of tee, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft above land-surface datum, Mar. 17, 1939; lowest measured, 42.10 ft below land-surface datum, Oct. 26, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.10	MAY 11	37.06	SEP 13	41.80

HARRISON COUNTY--Continued

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.
Owner: U.S. Post Office Dept., Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 1,262 ft, screened 1,232-1,262 ft.

DATUM.--Land-surface datum is 19.62 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in casing tee, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft above land-surface datum, Jan. 31, 1940; lowest measured, 15.14 ft below land-surface datum, Mar. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	13.68	MAR 29	15.14	MAY 11	13.16	SEP 13	13.08

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼SE¼ sec.26, T.7 S., R.9 W., 1 mi west of center of Biloxi at Howard Avenue and Querens Street.
Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 928 ft, sounded to 660 ft.

DATUM.--Land-surface datum is 21.28 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in flange, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft above land-surface datum, 1903; lowest measured, 77.68 ft below land-surface datum, July 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	66.43	63.05	62.00	62.20	58.94	58.01	---	61.28	67.72	67.63	66.35	65.52
10	66.01	61.53	60.88	59.90	60.41	57.04	---	61.41	69.74	69.91	66.50	65.35
15	65.37	63.63	61.52	61.88	60.75	56.75	---	64.96	72.43	70.89	66.94	67.45
20	65.86	61.45	58.70	62.48	58.41	---	59.49	65.86	69.84	68.66	66.89	65.84
25	65.38	62.95	59.56	57.82	56.36	---	58.19	64.07	69.58	63.19	65.96	65.71
EOM	60.11	59.60	61.98	59.63	59.77	---	59.79	65.59	69.06	67.42	65.30	69.16

WTR YR 1984 MEAN 63.65 HIGH 54.15 JAN 23 LOW 72.49 JUN 16

302406088593201. Local number, M544.

LOCATION.--Lat 30°24'06", long 88°59'32", Hydrologic Unit 03170009, NW¼SE¼ sec.28, T.7 S., R.10 W., near center of Biloxi at Edgewater Subdivision, Lakeview Drive, north of Pass Road.
Owner: City of Biloxi.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 800 ft.

DATUM.--Land-surface datum is 25.0 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in plastic plug, top of seal at 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1969, October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.49 ft below land-surface datum, Apr. 23, 1983; lowest measured, 37.71 ft below land-surface datum, July 25, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	31.10	29.39	26.02	29.15	28.48	27.03	26.99	27.28	31.62	33.27	31.97	30.70
10	30.07	28.36	27.37	29.40	28.12	26.96	26.71	27.74	32.69	33.75	32.53	31.33
15	30.37	27.44	26.27	27.43	27.95	26.69	26.99	29.63	34.13	34.21	32.15	32.27
20	30.38	27.12	25.98	29.18	27.66	26.23	25.99	30.69	33.39	33.56	32.52	31.99
25	30.15	27.57	28.22	28.79	27.50	26.73	26.25	29.85	33.53	33.33	32.47	32.68
EOM	30.61	26.91	30.78	28.47	27.77	26.57	25.88	31.52	33.23	32.78	31.83	31.98

WTR WR 1984 MEAN 29.66 HIGH 25.48 APR 19 LOW 35.29 JUL 11

HARRISON COUNTY--Continued

301856089145301. Local number, N003.

LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi northwest of center of Pass Christian at 2nd and Clark Streets.
Owner: Town of Pass Christian.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,111 ft, cased to 1,051 ft.

DATUM.--Land-surface datum is about 15 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in tee, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1948, 1968, August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft above land-surface datum, 1948; lowest measured, 0.18 ft above land-surface datum, Oct. 14, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	0.80	SEP 13	0.43

HINDS COUNTY

322828090170501. Local number, C015.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 0.2 mi northeast of center of Pocahontas at elevated water tank.
Owner: Town of Pocahontas.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 786 ft.

DATUM.--Land-surface datum is about 240 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1959, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft below land-surface datum, Sept. 15, 1959; lowest measured, 114.13 ft below land-surface datum, May 11, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 11	114.13

321949090361501. Local number, D001.

LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 0.2 mi south of center of Edwards on State Highway 467.
Owner: Town of Edwards.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,154 ft.

DATUM.--Land-surface datum is about 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in west side of pump base, at land-surface datum.

PERIOD OF RECORD.--1930, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft below land-surface datum, 1930; lowest measured, 124.88 ft below land-surface datum, Apr. 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 26	123.03

322027090223101. Local number, F009.

LOCATION.--Lat 32°20'27", long 90°22'31", Hydrologic Unit 08060202, SE¼SW¼ sec.23, T.6 N., R.2 W., 2.8 mi west of Clinton off old U.S. Highway 80.
Owner: Lakeridge Subdivision.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,004 ft.

DATUM.-- Land-surface datum is about 337 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in casing, 0.25 ft above land-surface datum.

PERIOD OF RECORD.--January 1951, September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 205 ft below land-surface datum, Jan. 15, 1951; lowest measured, 248.23 below land-surface datum, Aug. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 22	246.43

HINDS COUNTY--Continued

322024090223702. Local number, F042.
LOCATION.--Lat 32°20'24", long 90°22'37", Hydrologic Unit 08060202, SW¼NW¼ sec.26, T.6 N., R.2 W., 2.8 mi west of Clinton off Old U.S. Highway 80.
Owner: Lakeridge Subdivision.
AQUIFER.--Sand of Forest Hill Formation of Oligocene age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 6 in, depth 252 ft.
DATUM.--Land-surface datum is about 338 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in hole in top of well seal, 1.75 ft above land-surface datum.
PERIOD OF RECORD.--March 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest level measured, 100 ft below land-surface datum, Mar. 27, 1981; lowest measured, 126.42 ft below land-surface datum, Mar. 22, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 22	126.42

321945090152201. Local number, G125.
LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi northwest of center of Jackson at Clinton Boulevard and Dixon Road.
Owner: Shady Oaks Country Club.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 852 ft, cased to 802 ft.
DATUM.--Land-surface datum is 372 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in coupling, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--1928, September 1944 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft below land-surface datum, 1928; lowest measured, 302.48 ft below land-surface datum, Oct. 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 28	298.93	JAN 26	298.50	MAR 22	297.08	MAY 30	300.03	JUL 24	300.49	SEP 19	302.19
DEC 28	298.30	FEB 27	297.48	APR 30	299.60	JUN 18	299.60	AUG 22	299.91		

322301090090001. Local number, H023.
LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼NE¼ sec.12, T.6 N., R.1 E., 6 mi north of center of Jackson at Briarwood Drive and U.S. Interstate 55.
Owner: Kenneth Muse.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 728 ft.
DATUM.--Land-surface datum is about 315 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft above land-surface datum.
PERIOD OF RECORD.--October 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft below land-surface datum, Apr. 12, 1957; lowest measured, 237.07 ft below land-surface datum, Dec. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	228.75	DEC 28	227.68	FEB 27	227.24	APR 30	228.44	JUN 21	227.84	AUG 23	229.36
NOV 28	227.44	JAN 26	227.87	MAR 23	227.01	MAY 30	228.12	JUL 24	228.14	SEP 19	229.36

322021090114101. Local number, H043.
LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.23, T.6 N., R.1 E., 6 mi north of center of Jackson at Livingston Road and Stonewall Street.
Owner: Royster Company.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 850 ft.
DATUM.--Land-surface datum is 336.83 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft below land-surface datum, Apr. 12, 1957; lowest measured, 264.44 ft below land-surface datum, Jan. 27, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	255.78	DEC 28	251.16	FEB 27	250.55	MAY 30	252.40	JUL 24	252.78	SEP 19	253.92
NOV 28	256.70	JAN 26	250.27	APR 30	253.56	JUN 18	251.30	AUG 22	252.99		

321957090105601. Local number, H155.
LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi north of center of Jackson on North West Street near Taylor Street.
Owner: Mississippi Geological Survey.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in, depth 158 ft.
DATUM.--Land-surface datum is about 330 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft below land-surface datum, July 11, 1972; lowest 158.56 ft below land-surface datum, Sept. 19, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	157.55	DEC 28	157.36	FEB 27	157.32	APR 30	157.60	JUN 18	157.79	AUG 22	158.33
NOV 28	157.25	JAN 26	157.53	MAR 22	157.55	MAY 30	157.79	JUL 24	158.14	SEP 19	158.56

322241090073701. Local number, H160.
LOCATION.--Lat 32°22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼NE¼ sec.7, T.6 N., R.2 E., 7 mi northeast of center of Jackson at Old Canton Road and Parkway Drive.
Owner: Colonial Country Club.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 773 ft, cased to 634 ft.
DATUM.--Land-surface datum is about 305 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft below land-surface datum, Mar. 30, 1954; lowest measured, 214.97 ft below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	213.06	DEC 28	210.88	FEB 27	213.73	APR 30	211.84	JUN 18	213.09	AUG 22	213.45
NOV 28	212.00	JAN 26	210.86	MAR 22	210.95	MAY 30	212.40	JUL 24	213.44	SEP 19	214.53

322223090132801. Local number, H163.
LOCATION.--Lat 32°22'23", long 90°13'28", Hydrologic Unit 03180002, SW¼SW¼ sec.8, T.6 N., R.1 E., 5.5 mi northwest of center of Jackson on Forest Avenue.
Owner: Tri State Brick Company.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 824 ft.
DATUM.--Land-surface datum is 360 ft National Geodetic Vertical Datum of 1929. Measuring point: 1¼ in plug at top of well head, 1.50 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--April 1972, June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 272 ft below land-surface datum Apr. 1, 1974; lowest measured, 297.24 ft below land-surface datum Sept. 19, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 21	293.04	JUL 24	290.89	AUG 22	290.08	SEP 19	297.24

322222090095201. Local number, H164.
LOCATION.--Lat 32°22'22", long 90°09'52", Hydrologic Unit 03180002, SW¼SE¼ sec.11, T.6 N., R.1 E., 7 mi north of center of Jackson on North State Street.
Owner: Homewood Manor Trailor Court.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 738 ft.
DATUM.--Land-surface datum is about 298 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in west side of casing, 0.3 ft above land-surface datum.
PERIOD OF RECORD.--January 1975, June 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft below land-surface datum, June 10, 1977; lowest measured 217.20 ft below land-surface datum, Nov. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	214.07	DEC 28	212.67	FEB 27	212.80	APR 30	213.72	JUN 21	212.89	AUG 22	213.83
NOV 28	212.33	JAN 26	215.56	MAR 22	211.94	MAY 30	214.28	JUL 24	213.46	SEP 19	215.28

HINDS COUNTY--Continued

321512090283301. Local number, K055.
LOCATION.--Lat 32°15'12", long 90°28'33", Hydrologic Unit 08060202, NW¼NE¼ sec.26, T.5 N., R.3 W., 2.2 mi west of Raymond.
Owner: J. Eastwood.
AQUIFER.--Sand of Mint Spring Marl of Vicksburg Group of Oligocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 195 ft.
DATUM.--Land-surface datum is about 242 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of plastic well casing, 1.5 ft above land-surface datum.
PERIOD OF RECORD.--September 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 61.11 ft below land-surface datum, Apr. 30, 1980; lowest measured, 63.88 ft below land-surface datum, Mar. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 22	63.53

321521090245101. Local number, L005.
LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 0.1 mi northwest of center of Raymond on Court Street east of Oak Street.
Owner: Town of Raymond.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,185 ft.
DATUM.--Land-surface datum is about 328 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--September 1960, April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 191.70 ft below land-surface datum, Mar. 18, 1971; lowest measured, 227.18 ft below land-surface datum, Mar. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 21	217.97

321300090142001. Local number, R023.
LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi south of center of Jackson at Taylorsville on Elton Road near Terry Road.
Owner: E. J. Ainsworth.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 840 ft.
DATUM.--Land-surface datum is about 380 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft below land-surface datum, June 30, 1959; lowest measured, 272.99 ft below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 28	268.42	MAR 22	269.73	AUG 23	272.80

320620090370001. Local number, S003.
LOCATION.--Lat 32°06'20", long 90°37'00", Hydrologic Unit 08060203, NE¼NW¼ sec.16, T.3 N., R.4 W., 1 mi east of center of Utica on State Highway 28 near State Highway 27.
Owner: Town of Utica.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,310 ft, screened 1,240-1,310 ft.
DATUM.--Land-surface datum is about 308 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft above land-surface datum.
PERIOD OF RECORD.--October 1956 to Mar. 22, 1984 (Discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179.65 ft below land-surface datum, Feb. 27, 1958; lowest measured, 220.34 ft below land-surface datum, Apr. 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	208.05	MAR 22	200.85

HINDS COUNTY--Continued

320554090173902 (Formerly 320430090543302). Local number, V033.

LOCATION.--Lat 32°04'30", long 90°54'33", Hydrologic Unit 03180002, NW¼SW¼ sec.15, T.3 N., R.1 W., near intersection of Jackson Street and Raymond Street in Terry.
Owner: Town of Terry.

AQUIFER.--Sand of Forest Hill Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 473 ft.

DATUM.--Land-surface datum is about 286 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 2.50 ft above land-surface datum.

REMARKS.--Standby well, pumped occasionally.

PERIOD OF RECORD.--September 1959, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft below land-surface datum, September 1959; lowest measured, 129.46 ft below land-surface datum, Mar. 22, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 22	129.46

HOLMES COUNTY

330650090034501. Local number, L043.

LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 0.3 mi west of center of Lexington on Boulevard Street at McLean Street.
Owner: Eric Norquist.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth reported 1,000 ft.

DATUM.--Land-surface datum is about 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, at land-surface datum.

PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft above land-surface datum, Jan. 12, 1959; lowest measured, 2.48 ft below land-surface datum, Apr. 11, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	1.64

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., at Thornton.
Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in, depth, 1,597 ft, screened 1,557-1,597 ft.

DATUM.--Land-surface datum is 111.72 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, at land-surface datum.

PERIOD OF RECORD.--February 1939 to April 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft above land-surface datum, July 31, 1941; lowest measured, 53.0 ft above land-surface datum, Apr. 20, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	63.5	APR 10	76.21

330443089512503. Local number, T004.

LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi northwest of center of Durant at Lamar Street and Ramsey Street.
Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 700 ft.

DATUM.--Land-surface datum is 267 ft National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in hole in west side of well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1957, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft above land-surface datum, January 1957; lowest measured, 25.00 ft below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	22.71

HOLMES COUNTY--Continued

330420089510901. Local number, T014.
LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 0.1 mi southeast of center of Durant at Cedar Street and Love Street.
Owner: Illinois Central Railroad.
AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 608 ft, cased to 588 ft.
DATUM.--Land-surface datum is about 263 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in hole in top of casing, 0.60 ft above land-surface datum.
PERIOD OF RECORD.--October 1959, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft above land-surface datum, Oct. 8, 1959; lowest measured, 9.79 ft below land-surface datum, Apr. 11, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 10	9.62

HUMPHREYS COUNTY

331539090351701. Local number, B014.
LOCATION.--Lat 33°15'39", long 90°35'17", Hydrologic Unit 08030207, SW¼NW¼ sec.2, T.16 N., R.4 W., in Isola.
Owner: Mary Ann Demsey (J. D. Lee home).
AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1400 ft.
DATUM.--Land-surface datum is about 111 ft National Geodetic Vertical Datum of 1929. Measuring point: 3-in tee at well head, 2.00 ft above land surface datum.
PERIOD OF RECORD.--December 1938, April 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.0 ft above land-surface datum Dec. 10, 1938; lowest measured, 11.0 ft above land-surface datum, Apr. 15, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 15	11.0

330606090353501. Local number, E088.
LOCATION.--Lat 33°06'06", long 90°35'35", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.15 N., R.4 W., 7.5 mi southwest of Belzoni.
Owner: Prather Farms.
AQUIFER.--Mississippi River Valley Alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water table well, diameter 16 in, depth 96 ft.
DATUM.--Land-surface datum is about 96 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 16 in casing, 1.10 ft above land-surface datum.
PERIOD OF RECORD.--July 1984 to current year.
EXTREMES FOR PERIOD OF RECORDS.--Highest water level measured, 18 ft below land-surface datum, 1979; lowest measured, 23.64 ft below land-surface datum July 16, 1984.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
JUL 16	23.64

ITAWAMBA COUNTY

341633088243801. Local number, G024.
LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 0.2 mi northwest of center of Fulton on Hill Street at Waterworks.
Owner: Town of Fulton.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 164 ft.
DATUM.--Land-surface datum is about 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.25 ft above land-surface datum.
PERIOD OF RECORD.--August 1954, August 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft below land-surface datum, Feb. 16, 1959; lowest measured, 74.65 ft below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	54.09

ITAWAMBA COUNTY--Continued

341604088244601. Local number, G067.

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., 0.6 mi southeast of center of Fulton along railroad track.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 175 ft.
DATUM.--Land-surface datum is about 284 ft National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder house floor 3.80 ft above land-surface datum.
REMARKS.--Water levels affected by nearby dewatering project.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft below land-surface datum, June 8, 1978; lowest measured, 44.16 ft below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.22	32.32	28.88	31.24	29.74	29.63	28.77	28.79	29.40	30.92	30.97	28.50
10	31.82	31.31	28.90	31.66	29.70	29.18	28.88	28.36	30.12	31.05	30.41	26.82
15	31.14	30.69	29.05	30.69	29.43	28.71	29.11	29.76	30.83	31.08	29.73	25.80
20	30.76	30.69	29.07	29.96	29.62	28.40	28.72	29.98	31.15	31.31	28.97	25.53
25	31.01	30.18	28.99	29.42	29.92	28.59	29.17	29.42	31.31	31.37	29.21	25.50
EOM	31.61	29.63	30.62	29.63	30.17	28.61	29.30	29.37	31.12	31.16	29.45	25.54

WTR YR 1984 MEAN 29.77 HIGH 25.49 SEP 16 LOW 32.70 OCT 1

JACKSON COUNTY

302454088493401. Local number, N048.

LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi east of depot at Ocean Springs at Robinson Avenue and Cash Alley.
Owner: Louisville and Nashville Railroad.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 535 ft, screened 495-535 ft cased to 495 ft.
DATUM.--Land-surface datum is about 23 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in northwest side of pump, 0.80 ft above land-surface datum.
PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft above land-surface datum, 1928; lowest measured, 83.33 ft below land-surface datum, Oct. 26, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	83.33	MAR 29	79.92

302357088473801. Local number, N073.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 2 mi southeast of center of Ocean Springs on Henley Street near park entrance.
Owner: Magnolia State Park.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 536 ft, screened 516-536 ft.
DATUM.--Land-surface datum is about 22 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--April 1938, June 1956 to April 1973, June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.0 ft above land-surface datum, Apr. 8, 1938; lowest measured, 71.71 ft below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	71.11	MAR 29	68.99

302503088481602. Local number, N511.

LOCATION.--Lat 30°25'03", long 88°48'16", Hydrologic Unit 03170009, NE¼SE¼ sec.20, T.7 S., R.8 W., 1.5 mi east of depot at Ocean Springs.
Owner: Tommy Moreton.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 1,280 ft, screened 1,240-1,280 ft.
DATUM.--Land-surface datum is about 5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3 in tee, 2 ft above land-surface datum.
PERIOD OF RECORD.--July 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft above land-surface datum, July 1, 1984; lowest measured, 32.0 ft above land-surface July 1, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
JUL 1	32.0

JACKSON COUNTY--Continued

302451088325901. Local number, P045.
LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 0.5 mi northwest of center of Moss Point at Weems Street and Dantzler Street.
Owner: Central Artesian Well Co.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 806 ft, cased to 806 ft.
DATUM.--Land-surface datum is about 20 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in tee, 0.80 ft above land-surface datum.
PERIOD OF RECORD.--September 1919, September 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft above land-surface datum, Sept. 6, 1919; lowest measured, 54.07 ft below land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	47.39	MAR 28	45.42

302244088325801. Local number, P068.
LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 1 mi north of center of Pascagoula at Market Street and River Road.
Owner: City of Pascagoula.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 292 ft, cased to 282 ft.
DATUM.--Land-surface datum is about 12 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in top of plate at well head, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--April 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft below land-surface datum, Apr. 18, 1962; lowest measured, 95.90 ft below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	84.63	MAR 29	72.40

302205088334005. Local number, P113.
LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi northwest of center of Pascagoula at Railroad Avenue and Frederic Street.
Owner: City of Pascagoula.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 388 ft, cased to 308 ft.
DATUM.--Land-surface datum is about 13 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing (since Apr. 20, 1976), at land-surface datum.
PERIOD OF RECORD.--April 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft below land-surface datum, July 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	64.45	MAR 29	56.98

302134088330803. Local number, P124.
LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi southeast of center of Pascagoula at Communy Street east of Pascagoula Street.
Owner: City of Pascagoula.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 801 ft, cased to 721 ft.
DATUM.--Land-surface datum is 10.50 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft below land-surface datum, Mar. 21, 1960; lowest measured, 144.64 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	60.93	MAR 29	69.89	MAY 10	69.74

302042088331801. Local number, P134.
LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi south of center of Pascagoula at Farnsworth Avenue and Firth Street.
Owner: City of Pascagoula.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 750 ft.
DATUM.--Land-surface datum is 10.54 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--April 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft below land-surface datum, May 5, 1960, lowest measured, 121.03 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	54.79	MAR 29	68.39	MAY 10	65.93

302623088311103. Local number, Q016.
LOCATION.--Lat 30°26'23", long 88°31'11", Hydrologic Unit 03170008, SW¼SW¼ sec.17, T.7 S., R.5 W., 2 mi east of center of Escatawpa on Elder Ferry Road.
Owner: Thiokol Chemical Corporation.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 967 ft.
DATUM.--Land-surface datum is about 7 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in horizontal pipe, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--July 1952, October 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft above land-surface datum, July 1952; lowest measured, 1.27 ft above land-surface datum, Oct. 28, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	1.51	MAY 10	2.79

302535088303501. Local number, Q025.
LOCATION.--Lat 30°25'35", long 88°30'35", Hydrologic Unit 03170008, NW¼NE¼ sec.20, T.7 S., R.5 W., 2 mi east of centerof Escatawpa on Elder Ferry Road at packing plant.
Owner: Smith Fisheries.
AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 200 ft.
DATUM.--Land-surface datum is about 4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft below land-surface datum, Apr. 15, 1960; lowest measured, 49.56 ft below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	40.32	MAR 28	38.58

302126088293801. Local number, Q112.
LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.
Owner: Jackson County Board of Supervisors.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in, depth 202 ft, screened 192-202 ft cased to 192 ft.
DATUM.--Land-surface datum is about 3.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--May 1960 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft below land-surface datum, May 6, 1960; lowest measured, 16.22 ft below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	11.30	MAY 10	11.95

JACKSON COUNTY--Continued

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 88°30'59", Hydrologic Unit 03170006, SE¼SE¼ sec.31, T.8 S., R.5 W., 0.5 mi west of State Highway 607 on U.S. Highway 90 east of Pascagoula.
Owner: Dairy Fresh Corporation.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 333 ft.

DATUM.--Land-surface datum is about 15 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft below land-surface datum, June 1, 1963; lowest water level measured 111.52 ft below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	103.84	MAY 10	101.03

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.
Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 346 ft, cased to 340 ft.

DATUM.--Land-surface datum is about 12 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.3 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.35 ft below land-surface datum, July 19, 1982; lowest measured, 145.1 ft below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	95.85	MAR 1	109.73	MAY 10	102.23	JUL 12	103.03	AUG 22	106.96

302253088302401. Local number Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", Hydrologic Unit 03170006, SW¼NW¼ sec.5, T.8 S., R.5 W., 2.5 mi east of center of Pascagoula on Old Mobile Highway at Chateau Drive.
Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 327 ft.

DATUM.--Land-surface datum is about 13.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in pipe, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft below land-surface datum Mar. 1, 1975; lowest measured, 149.99 ft below land-surface datum, Oct. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	128.83	MAY 10	137.17

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", Hydrologic Unit 03170009, sec.30, T.8 S., R.5 W., 1.5 mi east of center of Pascagoula at Chico and Scovel Streets.
Owner: City of Pascagoula.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 182 ft.

DATUM.--Land-surface datum is about 12 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.25 ft below land-surface datum, Apr. 21, 1983; lowest measured, 25.0 ft below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	20.11	MAR 1	20.10	MAR 28	20.20	MAY 10	20.45	JUL 12	21.97	AUG 22	21.02
JAN 25	20.10										

JEFFERSON COUNTY

314247091034201. Local number, H003.

LOCATION.--Lat 31°42'40", long 91°03'40", Hydrologic Unit 08060204, SW¼NW¼ lot 45, T.9 N., R.1 E., 0.1 mi west of courthouse in Fayette at waterworks.
Owner: Town of Fayette.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 272 ft, screened 232-272 ft cased to 232 ft.

DATUM.--Land-surface datum is 280 ft National Geodetic Vertical Datum of 1929 (formerly 270 ft). Measuring point: Top of casing, 1.10 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 117.60 ft below land-surface datum, Sept. 9, 1962; lowest measured, 152.69 ft below land-surface datum, Apr. 17, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 17	152.69

JONES COUNTY

314210089084401. Local number, C034.

LOCATION.--Lat 31°42'47", long 89°08'44", Hydrologic Unit 3170005, SW¼SE¼ sec.31, T.9 N., R.11 W., north of center of Laurel at 10th Avenue and 8th Street.
Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-12 in, depth 383 ft.

DATUM.--Land-surface datum is about 276 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in pump base plate, 0.75 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1945, September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127 ft below land-surface datum, October 1945; lowest measured, 208.52 ft below land-surface datum, Sept. 24, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	202.92	189.05	187.18	188.39	186.46	199.34	196.16	190.34	192.09	204.05	202.52	203.87
10	191.73	188.02	187.48	188.93	201.64	199.11	196.01	190.54	193.35	205.06	202.85	204.22
15	189.97	188.28	187.15	189.17	202.55	198.65	195.98	190.43	196.65	201.85	202.71	205.02
20	189.08	187.49	186.90	189.17	203.17	197.13	194.73	191.92	200.48	202.53	202.72	206.42
25	188.32	187.70	186.85	189.78	200.47	197.59	192.46	192.23	201.83	203.70	202.65	208.40
EOM	188.22	186.62	188.59	201.68	199.68	196.14	189.51	192.83	202.81	201.88	202.41	205.74

WTR YR 1984 MEAN 197.49 HIGH 186.46 FEB 5 LOW 208.52 SEP 24

314716089054801. Local number, C111.

LOCATION.--Lat 31°47'16", long 89°05'48", Hydrologic Unit 3170005, NE¼SE¼ sec.33, T.10 N., R.11 W., 6.5 mi north of center of Laurel at Sharon Community.
Owner: Sharon Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in, depth 248 ft.

DATUM.--Land-surface datum is about 305 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in hole in 6-in well seal, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--February 1972, December 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft below land-surface datum, Feb. 22, 1972; lowest measured, 158.15 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 16	152.06

JONES COUNTY--Continued

313928089103001. Local number, F020.
LOCATION.--Lat 31°39'28", long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi southwest of center of Laurel and 0.2 mi south of Laurel Airport.
Owner: City of Laurel.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in, depth 466 ft, cased to 406 ft.
DATUM.--Land-surface datum is about 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--December 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.8 ft below land-surface datum, Dec. 5, 1977; lowest measured, 202.39 ft below land-surface datum, Aug. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	156.11	157.80	148.46	168.36	165.29	156.07	160.52	167.03	174.95	173.01	168.49	162.62
10	156.11	156.11	148.31	163.84	167.67	161.65	156.08	168.46	177.79	171.55	171.03	166.89
15	158.83	154.10	149.43	157.85	165.05	160.51	158.80	171.20	185.68	170.82	169.08	163.45
20	160.99	156.11	149.69	168.54	168.43	162.57	165.06	171.51	182.33	174.62	167.70	166.59
25	156.11	151.21	150.24	168.07	161.33	157.69	165.90	172.48	174.80	175.90	167.72	168.74
EOM	155.72	152.32	175.21	167.99	161.30	159.55	163.63	172.42	178.11	176.72	165.80	162.80

WTR YR 1984 MEAN 164.45 HIGH 145.25 DEC 4 LOW 185.68 JUN 15

314143089083901. Local number, G055.
LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 1 mi west of the west of the center of Laurel at 6th Street and 14th Avenue.
Owner: City of Laurel.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in. depth 405 ft, cased to 345 ft.
DATUM.--Land-surface datum is 279.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--March 1964, January 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft below land-surface datum, March 1964; lowest measured, 197.50 ft below land-surface datum, Oct. 31, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 12	196.65

LAFAYETTE COUNTY

343005089301301. Local number, B001.
LOCATION.--Lat 34°30'05", long 89°30'13", Hydrologic Unit 08030201, NW¼SE¼ sec.3, T.7 S., R.3 W., 0.2 mi east of State Highway 7 at Abbeville.
Owner: Town of Abbeville.
AQUIFER.--Sand of lower part of Wilcox Group of Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 520 ft.
DATUM.--Land-surface datum is about 420 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
REMARKS.--Water level affected by pumping.
PERIOD OF RECORD.--February 1963, September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft below land-surface datum, February 1963; lowest measured, 161.86 ft below land-surface datum, Sept. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	159.22	MAR 28	159.36

LAFAYETTE COUNTY--Continued

342550089312801. Local number, B004.

LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi north of center of Oxford on west side of State Highway 7.
Owner: U.S. Plywood Company.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 248 ft, cased to 208 ft.

DATUM.--Land-surface datum is about 430 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.40 ft below land-surface datum, June 16, 1980; lowest measured, 88.65 ft below land-surface datum, Dec. 29, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	81.07	80.49		---	81.65	81.36	80.86	80.49	80.30	80.46	80.62	80.63
10	80.93	---		---	81.25	81.27	80.66	80.48	80.25	80.29	80.54	80.51
15	80.99	---		81.26	81.33	81.31	80.81	80.64	80.37	80.29	80.63	80.63
20	81.04	---		81.63	81.35	81.12	80.78	80.50	80.40	80.45	80.49	80.74
25	81.00	---		81.70	81.27	81.22	80.55	80.34	80.35	80.53	80.49	80.70
EOM	80.87	---		81.47	81.58	81.14	80.91	80.35	80.19	80.65	80.49	80.75

WTR YR 1984 MEAN 80.80 HIGH 80.07 JUL 8 LOW 81.70 JAN 25

342136089315001. Local number, F005.

LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi southwest of center of Oxford at University.
Owner: University of Mississippi.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 113 ft, cased to 98 ft.

DATUM.--Land-surface datum is about 460 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft below land-surface datum, Dec. 9, 1976; lowest measured, 82.00 ft below land-surface datum, March 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	80.05	JAN 24	77.42	MAR 28	74.71	MAY 18	73.50	JUL 17	73.00

342130089313001. Local number, F021.

LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 1.5 mi southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Road.
Owner: City of Oxford.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth reported 250 ft.

DATUM.--Land-surface datum is about 470 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.06 ft below land-surface datum, July 23, 1979, lowest measured, 134.50 ft below land-surface datum, Mar. 9, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 18	105.19

342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S, R.3 W., 1.5 mi south of State Highway 6 on Old Taylor Road.
Owner: City of Oxford.

AQUIFER.--Sand of Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 439 ft.

DATUM.--land-surface datum is about 470 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.85 ft below land-surface datum, June 7, 1983; lowest measured, 226.15 ft below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	163.24	JAN 11	162.75	MAR 28	152.21	JUL 17	162.30

LAMAR COUNTY

310935089252001. Local number, L063.

LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi northwest of center of Purvis on State Highway 581 at elevated water tank.
Owner: Progress Water Association.

AQUIFER.--Sand of Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 960 ft, cased to 910 ft.

DATUM.--Land-surface datum is about 370 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft below land-surface datum, 1968; lowest measured, 265.76 ft below land-surface datum, July 28, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	262.88	JAN 30	264.48	JUN 13	265.36	SEP 13	265.75

310934089252101. Local number, L093.

LOCATION.--Lat 31°09'35", long 89°25'21", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi northwest of center of Purvis on State Highway 581.
Owner: Progress Water Association.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply well, diameter 8-6 in, depth 264 ft.

DATUM.--Land-surface datum is about 375 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1976, November 1980, September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142 ft below land-surface datum, Jan. 27, 1976; lowest measured, 154.36 ft below land-surface datum, Apr. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	146.34	JUN 13	149.83	SEP 13	150.91

LAUDERDALE COUNTY

321902088445701. Local number, M003.

LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 4 mi southwest of center of Meridian on U.S. Highway 11 at fish hatchery.
Owner: U.S. Fish and Wildlife.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in, depth 729 ft, cased to 688 ft.

DATUM.--Land-surface datum is about 280 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.37 ft above land-surface datum, Oct. 20, 1971; lowest measured, 18.41 ft below land-surface datum, Sept. 16, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 16	14.80

LAWRENCE COUNTY

313315090062001. Local number, G002.

LOCATION.--Lat 31°33'15", long 90°06'20", Hydrologic Unit 03180003, NW¼NW¼ sec.28, T.7 N., R.11 E., near center of Monticello, 400 ft northwest of courthouse on Washington Street.
Owner: Town of Monticello.

AQUIFER.--Sands of Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in, depth 895 ft.

DATUM.--Land-surface datum is 198 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in casing, 2.80 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--November 1949, November 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18 ft below land-surface datum November 1949; lowest measured, 125.59 ft below land-surface datum, April 18, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 18	125.59

LEAKE COUNTY

324427089295201. Local number, L001.
LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 2.5 mi east of center of Carthage on State Highway 16 at McAfee.
Owner: C. Daugherty.
AQUIFER.--Sand of middle part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in, depth reported 700 ft, screened 680-700 ft cased to 680 ft.
DATUM.--Land-surface datum is about 350 ft National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--June 1957 to October 1963, April 1965, November 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.81 ft below land-surface datum, May 1, 1958; lowest measured, 44.51 ft below land-surface datum, Apr. 11, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 11	44.51

LEE COUNTY

341555088463501. Local number, G043
LOCATION.--Lat 34°15'55", long 88°46'35", Hydrologic Unit 03160102, SW¼SE¼ sec.28, T.9 S., R.5 E., 4 mi west of center of Tupelo on Chesterfield Road.
Owner: City of Tupelo.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-18 in, depth 686 ft.
DATUM.--Land surface datum is about 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 1.5 ft above land-surface datum.
PERIOD OF RECORD.--March 1969, October 1979, June 1981, November 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153 ft below land-surface datum, Mar. 1, 1969; lowest measured, 237.9 ft below land-surface datum, June 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	226.92

341632088403001. Local number, H009.
LOCATION.--Lat 34°16'32", long 88°40'30", Hydrologic Unit 03160102, SW¼NE¼ sec.28, T.9 S., R.6 E., about 2.5 mi east of Tupelo and north of U.S. Highway 78 on Saltillo road.
Owner: Pierce Grocery.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 335 ft.
DATUM.--Land-surface datum is about 280 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--December 1947, January 1967 to February 1968, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft below land-surface datum, Dec. 1, 1947; lowest measured 173.90 ft below land-surface datum, Aug. 28, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24	164.55	AUG 28	173.90

341547088422901. Local number, H022.
LOCATION.--Lat 34°15'47", long 88°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 0.5 mi northwest of center of Tupelo at Leake Street and Park Avenue.
Owner: City of Tupelo.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in, depth 430 ft, cased to 370 ft.
DATUM.--Land-surface datum is about 280 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, at land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft below land-surface datum, 1954; lowest measured, 267.13 ft below land-surface datum, Apr. 25, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 8	214.40	APR 25	267.13	AUG 15	232.12

341939088423601. Local number, H035.

LOCATION.--Lat 34°19'39", long 88°42'36", Hydrologic Unit 03160102, SW¼NE¼ sec.6, T.9 S., R.6 E., 0.5 mi north of center of Tupelo on U.S. Highway 45 at Natchez Trace.
Owner: Natchez Trace Parkway.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 400 ft, cased to 20 ft.
DATUM.--Land-surface datum is about 325 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--April 1958 to December 1968, October 1975 to September 1976.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.32 ft below land-surface datum, June 17, 1958; lowest measured, 157.18 ft below land-surface datum, Aug. 15, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 8	152.68	APR 24	155.39	AUG 15	157.18

341536088421001. Local number, H042.

LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 0.2 mi northeast of center of Tupelo at Spring Street and Sherwood at waterworks.
Owner: City of Tupelo.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in, depth 562 ft cased to 510 ft.
DATUM.--Land-surface datum is about 280 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in east side of pump base, 3.00 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1966, October 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.00 ft below land-surface datum, Aug. 16, 1966; lowest measured, 260.18 ft below land-surface datum, May 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 25	214.95	AUG 15	233.55

341235088431601. Local number, K029.

LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.
Owner: Barber Milk Company.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth reported 491 ft, cased to 451 ft.
DATUM.--Land-surface datum is about 345 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.80 ft above land-surface datum.
REMARKS.--Water levels effected by nearby pumping.
PERIOD OF RECORD.--January 1967 to October 1967, September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.2 ft below land-surface datum, Mar. 22, 1967; lowest measured, 288.55 ft below land-surface datum, Sept. 2, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	278.65	267.18			266.38	262.52	284.11	267.46	271.34	279.88	---	287.43
10	276.73	266.88			266.55	262.38	264.51	268.18	274.46	281.19	---	287.98
15	275.32	266.57			265.77	262.33	265.30	269.65	277.05	283.07	285.91	287.98
20	275.32	---			264.98	261.60	266.82	266.99	279.23	284.11	287.32	287.96
25	275.32	---			264.12	261.30	267.16	267.48	---	285.07	287.39	287.33
EOM	275.32	---			262.89	262.35	267.20	267.84	279.68	285.98	287.94	287.97

WTR YR 1984 MEAN 273.66 HIGH 261.10 MAR 27 LOW 288.55 SEP 2

340522088371701. Local number, 0014.

LOCATION.--Lat 34°05'25", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi east of center of Nettleton on Main Street at waterworks.
Owner: Town of Nettleton.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 612 ft, cased to 587 ft.
DATUM.--Land-surface datum is about 260 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in well base, 0.70 ft above land-surface datum.
PERIOD OF RECORD.--July 1940, September 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft below land-surface datum, July 15, 1940; lowest measured, 70.28 ft below land-surface datum, Feb. 8, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 8	70.28	APR 25	60.27

340523088371701. Local number, 0015.

LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi east of center of Nettleton on Main Street at waterworks.
Owner: Town of Nettleton.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 282 ft.

DATUM.--Land-surface datum is about 266 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent in west side of pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1956, March 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft below land-surface datum, September 1956; lowest measured, 88.92 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	85.09

LEFLORE COUNTY

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi east of center of Schlater on south side of State Highway 442.
Owner: Mrs. D. B. Jameson.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 816 ft, cased to 816 ft.

DATUM.--Land-surface datum is 132.05 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1938 to October 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft above land-surface datum, 1919; lowest measured, 10.98 ft below land-surface datum, Mar. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	7.0	MAR 29	10.98

333437090262601. Local number, F053.

LOCATION.--Lat 33°34'37", long 90°26'26", Hydrologic Unit 08030207, NW¼NW¼ sec.29, T.20 N., R.2 W., 6 mi southwest of Schlater.
Owner: William Tackett.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 100 ft.

DATUM.--Land-surface datum is about 120 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 1.60 ft above land-surface datum.

REMARKS.--Water levels affected by seasonal pumping. Recorder pulled March 1982.

PERIOD OF RECORD.--March 1978, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft below land-surface datum, March 24, 1978; lowest measured, 39.66 ft below land-surface datum, Apr. 20, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29	34.22	APR 24	33.18

333315090151801. Local number, G033.

LOCAION.--Lat 33°33'15", long 90°15'18", Hydrologic Unit 08030207, NE¼SW¼ sec.36, T.20 N., R.1 W., 2.5 mi northwest of Greenwood along U.S. Highway 49.
Owner: Unknown.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 110 ft.

DATUM.--Land-surface datum is about 136 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.11 ft below land-surface datum, Mar. 29, 1984; lowest water level measured 20.68 ft below land-surface datum, Sept. 14, 1982

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 1	16.32	JAN 1	14.79	MAR 29	14.11	APR 15	14.22	JUL 17	16.85	SEP 15	17.91

LEFLORE COUNTY--Continued

333159090113401. Local number, L079.

LOCATION.--Lat 33°31'59", long 90°11'34", Hydrologic Unit 08030205, SW¼SE¼ sec.4, T.19 N., R.1 E., at elevated tank on Parkes Street near center of Greenwood.
Owner: City of Greenwood.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 800 ft.

DATUM.--Land-surface datum is about 128 ft National Geodetic Vertical Datum of 1929. Measuring point: End of 2-in nipple off casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--April 1960, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.5 ft above land-surface datum, Apr. 28, 1960; lowest measured, 26.97 ft below land-surface datum, Apr. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	24.71	MAR 30	21.52

333135090124402. Local number, L111.

LOCATION.--Lat 33°31'35", long 90°12'44", Hydrologic Unit 08030205, SE¼SE¼ sec.8, T.19 N., R.1 E., at Henderson Generating Plant west of U.S. Highway 82, Greenwood.
Owner: City of Greenwood.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 95 ft.

DATUM.--Land-surface datum is about 95 ft National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelter, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.88 ft below land-surface datum, Sept. 15, 1984; lowest measured 35.96 ft below land-surface datum, Sept. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 6	25.61	MAY 3	27.12	SEP 15	19.88

333050090112501. Local number, L150.

LOCATION.--Lat 33°30'50", long 90°11'25", Hydrologic Unit 08030205, NE¼NE¼ sec.16, T.19 N., R.1 E., at street department barn, Parkway Street and Johnson Street.
Owner: City of Greenwood.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 220 ft.

DATUM.--Land-surface datum is about 126 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1964, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.80 ft below land-surface datum, May 3, 1984; lowest measured, 50 ft below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 30	14.21	MAY 3	10.80	SEP 15	17.01

333100090105801. Local number, L152.

LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi southwest of center of Greenwood at Cotton Street and Johnson Street.
Owner: City of Greenwood.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 660 ft, reported screened 620-640 ft.

DATUM.--Land-surface datum is 133.98 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in bushing in top of well, 2.80 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1938, March 1940 to February 1950, April 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.9 ft above land-surface datum, Aug. 5, 1944; lowest measured, 35.06 ft below land-surface datum, Apr. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 30	14.79

LINCOLN COUNTY

313731090370101. Local number, B037.
LOCATION.--Lat 31°37'31", long 90°37'01", Hydrologic Unit 03180005, NE¼NE¼ sec.32, T.8 N., R.6 E., 10 mi west of Brookhaven.
Owner: Ronald Durr.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 152 ft.
DATUM.--Land-surface datum is about 434 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft above land-surface datum.
PERIOD OF RECORD.--April 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.50 ft below land-surface datum, May 24, 1980; lowest measured, 69.02 ft below land-surface datum, Nov. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	67.66	NOV 25	67.68	MAR 18	67.66	JUN 24	68.59	AUG 5	67.62

313504090261401. Local number, H010.
LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 0.5 mi north of center of Brookhaven at Second Street and Enterprise Street.
Owner: Brookhaven Creamery.
AQUIFER.--Sand of Citronelle Formation of Pliocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 165 ft,cased to 115 ft.
DATUM.--Land-surface datum is about 485 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--1969, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.54 ft below land-surface datum, Oct. 11, 1978; lowest measured, 75.33 ft below land-surface datum, Apr. 14, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 18	69.81

LOWNDES COUNTY

333845088275404. Local number, A014.
LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, NE¼SW¼ sec.19, T.16 S., R.18 W., 11 mi northwest of center of Columbus on west side of U.S. Highway 45 at Columbus Air Base.
Owner: Columbus Air Base.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 456 ft, screened 425-456 ft.
DATUM.--Land-surface datum is about 188 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--July 1973, 1975.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft below land-surface datum, Jan. 28, 1975; lowest measured, 28.86 ft below land-surface datum, Apr. 1, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
FEB 8	26.68

333306088255601. Local number, C029.
LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW¼SW¼ sec.28, T.17 S., R.18 W., 5 mi north of center of Columbus on east side of U.S. Highway 45.
Owner: S. L. Thomason.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in depth 200 ft.
DATUM.--Land-surface datum is about 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft below land-surface datum, July 29, 1959; lowest measured, 37.28 ft below land-surface datum, Nov. 29, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	36.77

LOWNDES COUNTY--Continued

333703088244801. Local number, C030.
LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 10 mi north of center of Columbus on east side of U.S. Highway 45.
Owner: T. S. Hodges.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 380 ft.
DATUM.--Land-surface datum is about 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft below land-surface datum, Mar. 13, 1959; lowest measured, 18.87 ft below land-surface datum, Nov. 29, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	16.00

332838088393401. Local number, E005.
LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 1.2 mi southwest of center of Mayhew and 0.1 mi southwest of intersection of U.S. Highways 45W and 82.
Owner: A. L. Echols.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 5 in, depth 365 ft, cased to 40 ft.
DATUM.--Land-surface datum is about 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--November 1957 to April 1962, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft below land-surface datum, Apr. 29, 1958; lowest measured, 107.26 ft below land-surface datum, Apr. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	107.26

333052088234101. Local number, G185.
LOCATION.--Lat 33°30'52", long 88°23'41", Hydrologic Unit 03160105, SW¼ sec.11, T.18 S., R.18 W., 2.3 mi northeast of center of Columbus at city water treatment plant.
Owner: City of Columbus.
AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 878 ft.
DATUM.--Land-surface datum is about 178 ft National Geodetic Vertical Datum of 1929. Top of casing at faucet, 2.50 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--March 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.30 ft above land-surface datum, Mar. 28, 1977; lowest measured, 14.50 ft below land-surface datum, Oct. 19, 1983.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	14.50	JAN 11	12.30	APR 26	12.13	JUN 26	12.60	AUG 9	1.94	SEP 20	13.81
NOV 29	14.40	FEB 23	12.60	MAY 15	1.80						

332656088335801. Local number, K037.
LOCATION.--Lat 33°26'56", long 88°33'58", Hydrologic Unit 03160106, SW¼SW¼ sec.6, T.18 N., R.17 E., 1.5 mi east of Golden Triangle Regional Airport.
Owner: Golden Triangle Industrial Park.
AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous Age.
WELL CHARACTERISTICS.--Drilled industrial well, diameter 12 in, depth 1,312 ft.
DATUM.--Land-surface datum is about 240 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of air-vent in pump base, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--June 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 74.50 ft below land-surface datum, Dec. 2, 1982; lowest measured, 94.80 ft below land-surface datum, Apr. 26, 1984.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	94.80

LOWNDES COUNTY--Continued

332718088333903. Local number, K039.

LOCATION.--Lat 33°27'18", long 88°33'39', Hydrologic Unit 03160106, SW¼SW¼ sec.6, T.18 N., R.17 E., 1½ miles east of Golden Triangle Regional Airport.
Owner: Golden Triangle Industrial Park.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled unused observation well, diameter 12 in, depth 329 ft.

DATUM.--Land-surface datum is about 240 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 12-in casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1979, December 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 99.0 ft below land-surface datum, Dec. 26, 1979; lowest measured, 115.58 ft below land-surface datum, Apr. 26, 1984.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	115.58

332517088235601. Local number, L022.

LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi southeast of center of Columbus near east bank of Tombigbee River.
Owner: Hooker Chemical Company.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,190 ft.

DATUM.--Land-surface datum is about 178 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in bushing (since Apr. 13, 1976), 1.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft above land-surface datum, Apr. 12, 1961; lowest measured, 35.97 ft below land-surface datum, Dec. 1, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	26.27

332508088235409. Local number, L034.

LOCATION.--Lat 33°25'08", long 88°23'54", Hydrologic Unit 03160105, NW¼SE¼ sec.10, T.19 S., R.18 W., 5 mi south of center of Columbus near east bank of Tombigbee River.
Owner: Hooker Chemical Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 583 ft, reported screened 533-583 ft.

DATUM.--Land-surface datum is about 180 ft National Geodetic Vertical Datum of 1929. Measuring point: Air breather in pump base 2.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1958, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.45 ft below land-surface datum, Apr. 26, 1984; lowest measured, 108.80 ft below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	44.45

332142088380101. Local number, N029.

LOCATION.--Lat 33°21'42", long 88°38'01", Hydrologic Unit 03160106, SW¼SW¼ sec.4, T.17 N., R.16 E., 3 mi south of Artesia and east of U.S. Highway 45.
Owner: United Cement Company.

AQUIFER.--Sand of Tombigbee Member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 570 ft, cased to 240 ft open hole.

DATUM.--Land-surface datum is about 280 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.80 ft below land-surface datum, Oct. 5, 1978; lowest measured, 144.83 ft below land-surface datum, Dec. 2, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	143.57

MADISON COUNTY

322413090101701. Local number, V013.
LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 0.1 mi west of center of Tougaloo at Tougaloo College.
Owner: Tougaloo College.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 800 ft.
DATUM.-Land-surface datum is about 380 ft National Geodetic Vertical Datum of 1929. Measuring point: Middle of tee, 3.65 ft above land-surface datum.
PERIOD OF RECORD.--August 1955, November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft below land-surface datum, Aug. 18, 1955; lowest measured, 209.67 ft below land-surface datum, Sept. 19, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	206.17	DEC 28	205.14	FEB 27	204.79	APR 30	206.64	JUN 21	206.51	AUG 23	208.84
NOV 28	205.55	JAN 26	205.40	MAR 23	205.16	MAY 30	205.18	JUL 24	208.65	SEP 19	209.67

322627090062401. Local number, W005.
LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 1 mi southeast of center of Madison near Bruce Campbell Airport.
Owner: Willard F. Bond Home.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 500 ft.
DATUM.--Land-surface datum is about 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 0.50 ft or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft below land-surface datum, Apr. 12, 1957; lowest measured, 166.57 ft below land-surface datum, Aug. 23, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 28	161.21	FEB 9	161.39	AUG 23	166.57

322517090054201. Local number, W066.
LOCATION.--Lat 32°25'17", long 90°05'42", Hydrologic Unit 03180002, SW¼SE¼ sec.22, T.7 N., R.2 E., 3.5 mi east of Ridgeland.
Owner: Pearl River Valley Water Supply District.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in, depth 608 ft.
DATUM.--Land-surface datum is about 308 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump motor base, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--April 1974, August 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 118 ft below land-surface datum, Apr. 24, 1974; lowest measured, 152.29 ft below land-surface datum, Aug. 23, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 28	146.45	JAN 26	146.98	MAR 23	145.52	MAY 30	146.64	JUL 24	149.32	SEP 19	151.58
DEC 28	146.80	FEB 28	145.55	APR 30	144.81	JUN 18	147.15	AUG 23	152.29		

MARSHALL COUNTY

344618089272801. Local number, P072.
LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundry Street.
Owner: Town of Holly Springs.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 718 ft.
DATUM.--Land-surface datum is about 510 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--October 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.42 ft below land-surface datum, Mar. 28, 1984; lowest measured, 129.7 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 28	127.42

MONROE COUNTY

335917088304401. Local number, C003.

LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi northwest of center of Amory at 108th Street and 5th Avenue at waterworks.

Owner: Town of Amory.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 360 ft.

DATUM.--Land-surface datum is about 240 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe on well head, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.84 ft below land-surface datum, Mar. 10, 1983; lowest measured, 31.97 ft below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	23.67	AUG 28	25.59

334836088390201. Local number, 0003.

LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 2 mi northeast of center of Prairie.

Owner: John Judsen.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 451 ft.

DATUM.--Land-surface datum is about 315 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1942, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft below land-surface datum, 1942; lowest measured, 193.74 ft below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	184.99

334359088391601. Local number, 0016.

LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 031601104, SW¼NE¼ sec.34, T.15 S., R.6 E., at Muldon on State Highway 25.

Owner: Muldon Grain Elevator Company (Formerly M and O Railroad)

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 620 ft.

DATUM.--Land-surface datum is about 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1901, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.00 ft below land-surface datum, 1901; lowest measured, 161.19 ft below land-surface datum, Apr. 25, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	161.19

334836088333301. Local number, P022.

LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi southwest of center of Aberdeen on State Highway 25.

Owner: Conoco Chemicals (Formerly Monroe Mfg. Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 216 ft.

DATUM.--Land-surface datum is about 218 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.60 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.87 ft below land-surface datum, Oct. 16, 1962; lowest measured, 112.30 ft below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	86.80

MONROE COUNTY-Continued

334147088261501. Local number, Q018.

LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 3 mi south of center of Hamilton on east side of U.S. Highway 45E.
Owner: T. G. Owen.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 390 ft.

DATUM.--Land-surface datum is about 216 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in plug in top of casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1964, July 1973, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26 ft below land-surface datum, May 1964; lowest measured, 66.33 ft below land-surface datum, Apr. 25, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 25	66.33

MONTGOMERY COUNTY

332916089432002. Local number, F002.

LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 0.5 mi northeast of center of Winona at waterworks.
Owner: Town of Winona.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 308 ft, screened 248-308 ft.

DATUM.--Land-surface datum is 373.14 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.70 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--September 1939, February 1958 to June 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft below land-surface datum, Apr. 19, 1959; lowest measured, 122.40 ft below land-surface datum, Sept. 21, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 23	117.50

NEWTON COUNTY

322728089161201. Local number, E001.

LOCATION.--Lat 32°27'28", long 89°16'12", Hydrologic Unit 03180001, SW¼SW¼ sec.10, T.7 N., R.10 E., 0.8 mi east of Post Office at Conehatta.
Owner: U.S. Department of Interior, Conehatta Indian School.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 351 ft.

DATUM.--Land-surface datum is about 515 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 1.00 ft above land surface.

PERIOD OF RECORD.--January 1959, March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163 ft below land-surface datum, Jan. 15, 1959; lowest measured 169.63 ft below land-surface datum, Nov. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 11	169.48

322722089162002. Local number, E023.

LOCATION.--Lat 32°27'22", long 89°16'20", Hydrologic Unit 031800001, NW¼NW¼ sec.15, T.7 N., R.10 E., 0.8 mi east of Post Office at Conehatta.
Owner: Conehatta Indian School.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional artesian well, diameter 8 in, depth 639 ft.

DATUM.--Land-surface datum is about 525 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.

PERIOD OF RECORD.--December 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 221.80 ft below land-surface datum, Dec. 4, 1979; lowest measured, 231.66 ft below land-surface datum, Apr. 11, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 11	231.66

NOXUBEE COUNTY

330645088332801. Local number, H115.
LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., [illegible] mi northwest of center of Macon on Pearl Street at railroad.
Owner: Town of Macon.
AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in, depth 1,807 ft, cased to 1,767 ft.
DATUM.--Land-surface datum is about 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/4-in gate valve on discharge pipe, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--February 1955 to October 1956, October 1958 to April 1963, April 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.2 ft above land-surface datum, Feb. 3, 1955; lowest measured, 10.41 ft below land-surface datum, Apr. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	10.41

OKTIBBEHA COUNTY

332710088471701. Local number, G102.
LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi east of center of State College at Walker Engineering Building.
Owner: Mississippi State University.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,008 ft, cased to 968 ft.
DATUM.--Land-surface datum is 380.95 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.33 ft above land-surface datum.
PERIOD OF RECORD.--June 1940 to July 1948, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176.14 ft below land-surface datum, Apr. 3, 1941; lowest measured, 227.59 ft below land-surface datum, Apr. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 26	227.59

PANOLA COUNTY

342332090060001. Local number, K012.
LOCATION.--Lat 34°23'20", long 90°05'57", Hydrologic Unit 08030202, NW¼NE¼ sec.13, T.8 S., R.9 W., 10 mi northwest of center of Batesville.
Owner: Hall Farm.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 28 ft.
DATUM.--Land-surface datum is about 181 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--May 1962, June 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.80 ft below land-surface datum, Feb. 4, 1983; lowest measured, 14.58 ft below land-surface datum, Oct. 1, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.40	13.91	11.87	11.30	11.77	11.46	11.19	11.46	11.88	13.02	13.42	13.90
10	14.46	13.86	11.65	11.31	11.76	11.46	11.18	11.34	12.02	12.24	13.45	13.99
15	14.42	13.78	11.53	11.28	11.62	11.39	11.26	11.28	12.23	13.38	13.51	14.23
20	14.18	13.62	11.38	11.27	11.50	11.19	11.29	11.36	12.37	13.54	13.53	14.26
25	14.07	13.30	11.38	11.84	11.49	11.18	11.41	11.49	12.72	13.54	13.60	14.35
EOM	13.99	12.98	11.33	11.83	11.50	11.21	11.62	11.72	12.89	13.47	13.73	14.45

WTR YR 1984 MEAN 12.50 HIGH 11.14 APR 3 LOW 14.58 OCT 1

PERRY COUNTY

311056088551201. Local number, J015.
LOCATION.--Lat 31°10'56", long 88°55'12", Hydrologic Unit 03170005, SE¼NW¼ sec.32, T.3 N., R.9 W., Beaumont Landing on State Highway 15 north of Beaumont, south end of bridge, downstream side at park and landing.
Owner: Pat Harrison Waterway.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply well, diameter 2 in, depth 576 ft.
DATUM.--Land-surface datum is about 90 ft National Geodetic Vertical Datum of 1929. Measuring Point: End of 2-in pipe, 200 ft above land-surface datum.
PERIOD OF RECORD.--April 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 37.00 ft above land-surface datum, May 9, 1984; lowest water-level measured 24.75 ft above land-surface datum, Apr. 22, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	37.0

PERRY COUNTY--Continued

310956088552101. Local number, M011.
LOCATION.--Lat 31°09'56", long 88°55'21", Hydrologic Unit 03170005, SW¼SW¼ sec.5, T.2 N., R.9 W., near center of Beaumont on third street.
Owner: Town of Beaumont.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 11 in, depth 666 ft, reported screened 626-666 ft.
DATUM.--Land-surface datum is about 95 ft National Geodetic Vertical Datum of 1929. Measuring point: Faucet near pump base, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--August 1965, January 1976, June 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft above land-surface datum, Aug. 1, 1965; lowest measured, 22.9 ft above landsurface datum, May 9, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	22.9

PIKE COUNTY

310833090272801. Local number, G002.
LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 0.1 mi west of center of Magnolia and west of City Hall.
Owner: Town of Magnolia.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 432 ft.
DATUM.--Land-surface datum is about 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft above land-surface datum.
PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.00 ft below land-surface datum, 1967; lowest measured, 18.45 ft below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 18	13.31

PRENTISS COUNTY

343921088334101. Local number, F002.
LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 0.1 mi north of center of Booneville at Court Street and Main Street.
Owner: Town of Booneville.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 491 ft, cased to 406 ft.
DATUM.--Land-surface datum is about 525 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent on south side of pump base, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--July 1950, May 1972, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft below land-surface datum, July 1950; lowest measured, 208.16 ft below land-surface datum, Apr. 13, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 17	207.08

343142088384401. Local number, J084.
LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 1.7 mi north of center of Baldwyn on west side of U.S. Highway 45.
Owner: Baldwyn Implement Company.
AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 440 ft, cased to 158 ft.
DATUM.--Land-surface datum is about 345 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--July 1973, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft below land-surface datum, July 25, 1973; lowest measured, 52.95 ft below land-surface datum, Apr. 24, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	52.95

RANKIN COUNTY

322249089582101. Local number, G043.
LOCATION.--Lat 32°22'49", long 89°58'21", Hydrologic Unit 03180002, SW¼NW¼ sec.10, T.6 N., R.3 E., 7.4 mi north of Brandon on Spillway road.
Owner: Pearl River Valley Water Supply District.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 1,190 ft.
DATUM.--Land-surface datum is about 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump motor base, 1.70 ft above land-surface datum.
PERIOD OF RECORD.--November 1980, August 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft below land-surface datum, Nov. 9, 1980; lowest measured, 170.88 ft below land-surface datum, Jan. 27, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	163.52	DEC 28	163.13	FEB 28	161.32	APR 30	163.43	JUN 18	163.50	AUG 23	165.30
NOV 28	163.22	JAN 26	161.19	MAR 23	166.56	MAY 30	163.79	JUL 24	164.56	SEP 19	165.91

321846089475101. Local number, J110.
LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi east of center of Pelahatchie at Fire Station.
Owner: Town of Pelahatchie.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 563 ft, screened 503-563 ft.
DATUM.--Land-surface datum is about 365 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in cover plate, at land-surface datum.
PERIOD OF RECORD.--July 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft below land-surface datum, Apr. 9, 1956; lowest measured, 131.96 ft below land-surface datum, Jan. 22, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 11	124.71

322148089283201. Local number, L001.
LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi west of center of Forest at Wade Street and Walker Street.
Owner: Town of Forest.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 360 ft, cased to 280 ft.
DATUM.--Land-surface datum is about 480 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--August 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 95.39 ft below land-surface datum, Apr. 11, 1984; lowest measured, 145.4 ft below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 11	95.39

322202089290502. Local number, L013.
LOCATION.--Lat 32°22'02", long 89°29'05", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.7 mi west of center of Forrest at George Street and Cleveland Street.
Owner: Town of Forest.
AQUIFER.--Sparta Sand of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 721 ft.
DATUM.--Land-surface datum is about 480 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft above land-surface datum.
PERIOD OF RECORD.--November 1964, November 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 193 ft below land-surface datum, November 1964; lowest measured, 218.72 ft below land-surface datum, Apr. 4, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 11	219.78

SCOTT COUNTY-Continued

322147089305801. Local number, L039.

LOCATION.--Lat 32°21'47", long 89°30'58", Hydrologic Unit 03180001, SW¼NE¼ sec.18, T.6 N., R.8 E., 2.2 mi west of Forest on U.S. Highway 80.

Owner: Manville Forest Products.

AQUIFER.--Meridian Sand Member of Tallahatchie Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in, depth 1,310 ft.

DATUM.--Land-surface datum is about 475 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1973, November 1979, April 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 184 ft below land-surface datum, Nov. 15, 1973; lowest measured, 236.59 ft below land-surface datum, Apr. 11, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 11	236.59

SHARKEY COUNTY

325839090501601. Local number, C043.

LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 0.6 mi northwest of center of Anguilla on west side of Deer Creek.

Owner: M. C. Ewing.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 1,830 ft, cased to 1,790 ft.

DATUM.--Land-surface datum is about 106 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, 2.00 ft or top of faucet at road, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft above land-surface datum, July 23, 1973; lowest measured, 59.0 ft above land-surface datum, Oct. 15, 1983

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	59.0	MAR 26	63.0

324749090553101. Local number, G044.

LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 0.3 mi south of center of Cary on east side of U.S. Highway 61.

Owner: Cary High School.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,149 ft.

DATUM.--Land-surface datum is about 102 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft above land-surface datum, Feb. 10, 1939; lowest measured, 24.64 ft below land-surface datum, Mar. 30, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 30	24.64

SIMPSON COUNTY

315256089392401. Local number, L001.

LOCATION.--Lat 31°52'56", long 89°39'24", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi east of center of Magee off State Highway 28.

Owner: Okatoma Water Association.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,620 ft.

DATUM.--Land-surface datum is about 530 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1969, September 1971, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 302 ft below land-surface datum, Jan. 31, 1969; lowest measured, 340.16 ft below land-surface datum, May. 9, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	340.16

SIMPSON COUNTY--Continued

315258089392201. Local number, L013.

LOCATION.--Lat 31°52'58" long 89°39'22", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi east of center of Magee off State Highway 28.
Owner: Okatoma Water Association.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply water-table well, diameter 18 in, depth 200 ft, reported screened 150 to 200 ft.

DATUM.--Land-surface datum is about 515 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of breather, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--May 1972, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.75 ft below land-surface datum, Apr. 13, 1983; lowest measured, 110.0 ft below land-surface datum, May 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAY 9	106.35

SUNFLOWER COUNTY

334017090301801. Local number, H018.

LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi northeast of center of Doddsville on county road.
Owner: B. D. McCarty.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 1,370 ft.

DATUM.--Land-surface datum is about 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft above land-surface datum, Apr. 14, 1971; lowest measured, 3.10 ft below land-surface datum, Oct. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	3.10	MAR 29	3.02

332826090441601. Local number M038.

LOCATION.--Lat 33°28'26", long 90°44'16", Hydrologic Unit 08030207, NE¼NW¼ sec.29, T.19 N., R.5 W., 2.7 mi north of U.S. Highway 82 near Indian Bayou.
Owner: James Robertson.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 110 ft.

DATUM.--Land-surface datum is about 123 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house, 0.50 ft above land-surface datum, Sept. 20, 1983.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.88 ft below land-surface datum, Apr. 24, 1981; lowest measured, 25.39 ft below land-surface datum, July 17, 1984

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 11	21.21	MAR 29	21.20	APR 15	21.36	MAY 1	21.36	JUL 17	25.39	SEP 15	25.35
JAN 25	21.66										

332505090293001. Local number, R021.

LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼SW¼ sec.22, T.18 N., R.3 W., 2.5 mi southeast of center of Moorehead on county road.
Owner: Edgar Hobbs.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 1,547 ft.

DATUM.--Land-surface datum is about 110 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft above land-surface datum, Feb. 10, 1970; lowest measured, 6.5 ft above land-surface datum, Apr. 21, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	12.0	APR 4	15.02

TATE COUNTY

343723089592801. Local number, F022.

LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 1.2 mi southeast of center of Senatobia at stand tank on Browns Ferry Road.
Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in, depth 1,085 ft, cased to 1,065 ft.

DATUM.--Land-surface datum is about 340 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft above land-surface datum.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 135.18 ft below land-surface datum, May 23, 1973; lowest measured, 155.32 ft below land-surface datum, May 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	151.32	MAR 28	150.34

343811089580401. Local number, G037 (formerly G37a).

LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 1 mi north of center of Senatobia at Chromcraft Plant.
Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,180 ft, cased to 1,160 ft.

DATUM.--Land-surface datum is about 250 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.20 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft below land-surface datum, June 6, 1973; lowest measured, 101.5 ft below land-surface datum, Dec. 1, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	83.63	MAR 28	81.55

TIPPAH COUNTY

345658088534101. Local number, B008.

LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi north of center of Walnut at swimming pool and elevated tank.
Owner: Town of Walnut.

AQUIFER.--Sand of McNairy Sand Member of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 147 ft, cased to 137 ft.

DATUM.--Land-surface datum is about 470 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft below land-surface datum, Feb. 24, 1975; lowest measured, 67.90 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	62.70

TISHOMINGO COUNTY

345802088144901. Local number, B018.

LOCATION.--Lat 34°58'02", long 88°14'49", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 2.8 mi north of center of Cross Roads on west side of State Highway 25.
Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 378 ft, cased to 147 ft.

DATUM.--Land-surface datum is about 560 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.31 ft below land-surface datum, Mar. 11, 1980; lowest measured, 102.42 ft below land-surface datum, Apr. 24, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	102.42

TISHOMINGO COUNTY--Continued

345603088170601. Local number, B019.

LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 2 mi northwest of center of Cross Roads.
Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 266 ft, cased to 90 ft.

DATUM.--Land-surface datum is about 467 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.55 ft below land-surface datum, Apr. 24, 1984; lowest measured, 15.00 ft below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	11.55

345703088145601. Local number, B021.

LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi north of center of Cross Roads on State Highway 25.
Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 349 ft, cased to 76 ft.

DATUM.--Land-surface datum is about 455 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft above land-surface datum, Apr. 10, 1979; lowest measured, 8.48 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	1.33

344834088111601. Local number, F001.

LOCATION.--Lat 34°48'34", long 88°11'16", Hydrologic Unit 06030005, NW¼NW¼ sec.19, T.3 S., R.11 E., 0.1 mi east of center of Iuka.
Owner: H. M. Biggs.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 113 ft, cased to 105 ft.

DATUM.--Land-surface datum is about 545 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1956, April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft below land-surface datum, Apr. 1, 1974; lowest measured, 65.1 ft below land-surface datum, Jan. 18, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 24	37.98

343936088161901. Local number, J010.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 0.2 mi south of center of Paden at Murphy Street and Lennon Avenue.
Owner: Irwin Schwabe Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 181 ft.

DATUM.--Land-surface datum is about 420 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in nipple at well head (since Mar. 17, 1976), 2.80 ft, or top of cap 1.7 ft land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft above land-surface datum, Mar. 13, 1974; lowest measured, 2.77 ft below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 8	-2.80	APR 24	-4.32	AUG 30	-4.42

TUNICA COUNTY

344540090230801. Local number, D029.
LOCATION.--Lat 34°45'40", long 90°23'08", Hydrologic Unit 08030204, SW¼SE¼ sec.5, T.4 S., R.11 ~~W., 5 mi north of~~ center of Tunica.
Owner: Jack Day Perry.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 125 ft.
DATUM.--Land-surface datum is about 188 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.40 ft above land-surface datum.
REMARKS.--Water level affected by seasonal pumping.
PERIOD OF RECORD.--July 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.48 ft above land-surface datum, Sept. 15, 1981; lowest measured, 16.59 ft below land-surface datum, Jan. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	12.48	MAR 28	9.74	APR 15	8.82	SEP 15	11.49

UNION COUNTY

343200089045901. Local number, B006.
LOCATION.--Lat 34°32'00", long 89°04'59", Hydrologic Unit 08030201, SE¼NW¼ sec.27, T.6 S., R.2 E., 5 mi northwest of New Albany on north side of U.S. Highway 78.
Owner: Futorian Furniture Corp. (Frame plant).
AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in, depth 500 ft.
DATUM.--Land-surface datum is about 385 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing below pump base, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--1955, October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25 ft below land-surface datum, 1955; lowest measured, 72.20 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 23	64.81

343418088484901. Local number, E022.
LOCATION.--Lat 34°34'18", long 88°48'49", Hydrologic Unit 08010207, NW¼SE¼ sec.7, T.6 S., R.5 W., 6 mi of State Highway 30.
Owner: Keownville Water Association.
AQUIFER.--Coffee Sand of Selma Group of Late Craceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 312 ft, cased to 696 ft.
DATUM.--Land-surface datum is about 680 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in top of casing, 1.00 ft above land-surface datum.
REMARKS.--Water levels effected by nearby pumping.
PERIOD OF RECORD.--July 1972. October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 340 ft below land-surface datum, July 5, 1972; lowest measured, 451.50 ft below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 23	386.36

WARREN COUNTY

322310090530202. Local number, J004.
LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW¼SW¼ sec.2, T.16 N., R.3 E., 2.5 mi northwest of center of Vicksburg on north side of Industrial Road.
Owner: City of Vicksburg.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 170 ft, cased to 150 ft.
DATUM.--Land-surface datum is about 90 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder house floor, 17.26 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--October 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land-surface datum, Apr. 17, 1975; lowest measured, 53.98 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.11	42.21	35.07	---	34.90	33.88	21.58	17.46	---	25.04	37.67	40.53
10	42.32	37.88	33.89	---	38.75	28.84	16.81	16.92	---	31.90	36.96	40.27
15	42.10	36.74	28.69	35.32	40.07	24.73	20.82	21.59	---	32.09	33.97	---
20	38.49	41.95	30.37	36.89	33.88	28.10	19.86	---	---	31.53	35.54	---
25	38.72	36.15	30.45	39.64	34.73	28.57	17.98	---	31.67	29.24	33.47	---
EOM	40.42	40.01	---	35.48	33.90	31.81	16.55	---	32.10	31.86	37.81	---

WTR YR 1984 MEAN 32.59 HIGH 15.37 MAY 19 LOW 45.09 DEC 27

WASHINGTON COUNTY

332432091031501. Local number, D016.

LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, Irregular sec.4, T.18 N., R.8 W., 0.2 mi northeast of center of Greenville at Alexander Street and Illinois Central Railroad.
Owner: Itzig Company.
AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 517 ft.
DATUM.--Land-surface datum is about 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--November 1960, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.28 ft below land-surface datum, Apr. 26, 1983; lowest measured, 107.87 ft below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 27	84.30

332228091045402. Local number, D033 (formerly D33b).

LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, Irregular sec.10, T.18 N., R.9 W., 4 mi southwest of center of Greenville in industrial park on Theobold Street.
Owner: U.S. Geological Survey.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,994 ft, cased to 1,984 ft.
DATUM.--Land-surface datum is 125.07 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on cap on well, 2.62 ft above land-surface datum.
PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.8 ft above land-surface datum, Apr. 14, 1970; lowest measured, 32.6 ft above land-surface datum, Apr. 4, 1984.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 4	32.6

332242091030401. Local number, D176.

LOCATION.--Lat 33°22'42", long 91°03'04", Hydrologic Unit 08030207, NE¼ sec.33, T.18 N., R.5 W., 0.5 mi southwest of Bowman Blvd on State Highway 1.
Owner: Maclean Bowman.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 70 ft.
DATUM.--Land-surface datum is about 123 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in casing, 1.50 ft above land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft below land-surface datum, June 5, 1983; lowest water level measured, 12.82 ft below land-surface datum, Nov. 30, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.59	12.44	12.26	11.03	10.44	8.98	8.24	7.09	7.50	8.53	9.57	10.74
10	11.75	12.56	11.98	10.97	10.27	8.62	8.01	6.95	7.64	8.79	9.71	10.85
15	11.90	12.69	11.69	10.84	9.73	8.55	8.00	7.08	7.79	8.90	9.84	11.07
20	12.03	12.77	11.57	10.79	9.59	8.28	7.80	7.07	7.89	9.06	10.01	11.24
25	12.17	12.68	11.35	10.53	9.55	8.33	7.57	7.16	8.08	9.28	10.24	11.44
EOM	12.33	12.82	11.16	10.48	9.33	8.52	7.54	7.36	8.25	9.44	10.45	11.61

WTR YR 1984 MEAN 9.87 HIGH 6.95 MAY 10 LOW 12.82 NOV 30 AND OTHERS.

332223091043301, Local number, D178.

LOCATION.--Lat 33°22'23", long 91°04'33", Hydrologic Unit 08030209, sec.10, T.18 N., R.9 W., 2.5 mi north of intersection of State Highway 1 and U.S. Highway 82 in Greenville.
Owner: City of Greenville.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 42 ft.
DATUM.--Land-surface datum is about 124 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.60 ft above land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.19 ft above land-surface datum, May 19, 1983; lowest measured, 15.58 ft below land surface datum, Nov. 19, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.76	15.24	14.22	---	11.46	9.26	8.05	2.42	2.29			---
10	12.76	15.38	13.24	---	11.38	8.88	7.61	1.07	3.12			---
15	12.76	15.51	---	11.18	10.46	8.74	5.59	.50	4.22			12.19
20	12.76	15.58	---	11.36	10.34	8.48	2.39	---	4.69			---
25	12.76	15.25	---	11.10	10.30	8.52	2.12	---	---			---
EOM	15.13	15.07	---	11.36	9.94	8.44	2.71	.36	---			---

WTR YR 1984 MEAN 9.43 HIGH .13 MAY 18 LOW 15.58 NOV 19 AND OTHERS

WASHINGTON COUNTY--Continued

332202090292501. Local number D179.
LOCATION.--Lat 33°22'02", long 90°29'25", Hydrologic Unit 08030209, SE¼NW¼ sec.38, T.18 N., R.8 W., 5 mi southeast of center of Greenville.
Owner: G. A. Clements.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 110 ft.
DATUM.--Land-surface datum is about 116 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.10 ft above land-surface datum.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.02 ft below land-surface datum, June 27, 1983; lowest measured, 36.55 ft below land-surface datum, Jul. 27, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 to SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			10.98	---	9.25	7.82				---	34.27	35.88
10			11.54	---	9.36	7.49				---	35.07	35.88
15			---	10.10	8.27	7.75				---	34.80	35.41
20			---	9.96	8.14	7.18				34.07	35.88	22.55
25			---	9.65	8.26	7.27				35.85	36.00	20.49
EOM			---	9.26	8.24	---				34.58	36.01	18.95

WTR YR 1984 MEAN 19.92 HIGH 7.17 MAR 21 LOW 36.55 JUL 27

332007090525401. Local number, H014.
LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 5 mi south of center of Leland and east of Deer Creek.
Owner: Louis Munn.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 102 ft, cased to 72 ft.
DATUM.--Land-surface datum is about 115 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--March 1956 to October 1963, January 1965 to October 1966, October 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft below land-surface datum, Oct. 14, 1958; lowest measured, 26.25 ft below land-surface datum, June 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	23.01	MAR 27	20.75	JUL 17	22.01	JUL 27	22.20	SEP 15	22.80

331808090532901. Local number, H101.
LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi southwest of center of Wilmot.
Owner: J. A. Aldridge.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,903 ft, cased to 1,895 ft.
DATUM.--Land-surface datum is about 120 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, 0.80 ft above land-surface datum.
PERIOD OF RECORD.--February 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft above land-surface datum, Dec. 20, 1954; lowest measured, 8.0 ft above land-surface datum, Nov. 15, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 4	11.55

331120090413001. Local number, M044.
LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 11 mi east of center of Hollandale on State Highway 12 at Sunflower River.
Owner: Dave Jones.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth reported 110 ft.
DATUM.--Land-surface datum is about 105 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--May 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft below land-surface datum, Apr. 25, 1975; lowest measured, 31.98 ft below land-surface datum, Sep. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	26.29	MAR 27	25.16	APR 16	25.22	SEP 15	31.98

WASHINGTON COUNTY--Continued

330227090592001. Local number, S004.

LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi northeast of center of Hampton on south side of State Highway 436.
Owner: Agricultural Chemical Corp.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 105 ft, screened 80-105 ft.

DATUM.--Land-surface datum is 111.24 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft below land-surface datum, May 13, 1958; lowest measured, 20.00 ft below land-surface datum, Aug. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.86	16.13	12.07	11.33	11.28	10.03	9.63	9.17	14.34	17.80	17.39	
10	15.91	16.18	11.68	11.42	11.40	9.33	9.27	9.25	11.13	18.01	17.09	
15	15.98	16.11	11.28	10.96	9.89	9.74	9.63	9.68	15.44	16.21	---	15.86
20	16.03	15.82	11.48	11.18	10.07	9.42	9.75	9.90	16.29	17.24	---	
25	16.03	14.48	11.35	10.69	10.46	9.95	9.42	13.01	17.01	18.99	---	
EOM	16.09	14.22	11.23	10.89	10.18	10.50	9.27	12.99	16.75	17.65	---	

WTR YR 1984 MEAN 12.88 HIGH 9.13 APR 29 LOW 19.15 JUL 8

WAYNE COUNTY

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE¼SE¼ sec.2, T.8 N., R.7 W., 1 mi northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.
Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in, depth 82 ft, cased to 32 ft.

DATUM.--Land-surface datum is about 180 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in breather pipe inside recorder shelter, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--April 1973, February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.88 ft below land-surface datum, Apr. 16, 1984; lowest measured, 35.73 ft below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 16	21.88

WEBSTER COUNTY

332425089212001. Local number, M025.

LOCATION.--Lat 33°24'25", long 89°21'20", Hydrologic Unit 08060201, SW¼NW¼ sec.28, T.19 N., R.9 E., north side of U.S. Highway 82, 0.2 mi east of Tomnolem.
Owner: Town of Tomnolem.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public-supply well, diameter 10 in, depth 359 ft.

DATUM.--Land-surface datum is about 350 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pump base, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--December 1970, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.0 ft below land-surface datum, Dec. 30, 1970; lowest measured, 37.36 ft below land-surface datum, Aug. 27, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 23	36.89	AUG 27	37.36

WEBSTER COUNTY--Continued

333021089202901. Local number, M028.
LOCATION.--Lat 33°30'21", long 89°20'29", Hydrologic Unit 08060201, SE¼SW¼ sec.15, T.19 N., R.9 E., 5 mi southwest of center of Eupora off U.S. Highway 82.
Owner: Town of Eupora.
AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 344 ft.
DATUM.--Land-surface datum is about 395 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder floor at 2.75 ft above land-surface datum.
PERIOD OF RECORD.--April 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.65 ft below land-surface datum, Sept. 17, 1983, lowest measured, 123.55 ft below land-surface datum, Feb. 3, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.63	108.02	103.21	116.73	114.17	111.96	118.31	109.80	118.40	117.89		
10	117.37	107.99	118.67	119.29	114.86	118.75	118.31	116.85	119.40	119.21		
15	117.65	116.99	111.96	117.91	119.17	119.46	118.31	110.82	121.77	112.01		
20	117.56	104.95	112.43	119.32	111.72	116.81	118.31	115.77	112.45	121.50		
25	116.54	110.33	106.30	117.93	112.97	113.11	119.08	116.65	110.87	---		
EOM	117.80	104.52	122.14	122.65	119.44	118.31	111.91	109.44	112.29	---		

WTR YR 1984 MEAN 115.31 HIGH 102.29 DEC 19 LOW 123.55 FEB 3

WILKINSON COUNTY

310415091042201. Local number, T101.
LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 222 ft, screened 162-222 ft cased to 162 ft.
DATUM.--Land-surface datum is 353.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft above land-surface datum.
PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft below land-surface datum, May 5, 1942; lowest measured, 52.22 ft below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 14	50.33

310415091042202. Local number, T102.
LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Pascagoula Formation of late Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 415 ft, screened 355-415 ft, cased to 355 ft.
DATUM.--Land-surface datum is 355.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft above land-surface datum.
PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.4 ft below land-surface datum, May 5, 1942; lowest measured, 167.27 ft below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 17	167.26

310415091042203. Local number, T103.
LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi southwest of center of Centreville on State Highway 33.
Owner: J. P. Kennedy. Old Camp Van Dorn.
AQUIFER.--Sand of Catahoula Sandstone of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,685 ft, screened 1,625-1,685 ft, cased to 1,625 ft.
DATUM.--Land-surface datum is 356.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft above land-surface datum.
PERIOD OF RECORD.--May 1942, February 1954 to October 1963, March 1968, March 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.1 ft below land-surface datum, May 13, 1942; lowest measured, 278.67 ft below land-surface datum, Apr. 14, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 17	278.16

YAZOO COUNTY

325905090192202. Local number, 8102.
LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across street from post office.
Owner: Town of Eden.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 800 ft, cased to 770 ft.
DATUM.--Land-surface datum is 112.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft above land-surface datum.
PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft above land-surface datum, 1919; lowest measured, 20.37 ft below land-surface datum, Mar. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 26	20.37

325905090192201. Local number, 8103.
LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across from Baptist church.
Owner: Town of Eden.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2.5 in, depth 1,735 ft, screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft.
DATUM.--Land-surface datum is about 112 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 0.50 ft above land-surface datum.
REMARKS.--Water levels affected by leakage.
PERIOD OF RECORD.--January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft above land-surface datum, January 1954; lowest measured, 52.0 ft above land-surface datum, May 17, 1983.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
MAR 26	58.00

325100090250701. Local number, G006.
LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16-12 in, depth 212 ft, cased to 152 ft.
DATUM.--Land-surface datum is about 100 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing or top of recorder house floor, 5.60 ft above land-surface datum.
PERIOD OF RECORD.--September 1940, November 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.81 ft below land-surface datum, June 25, 1983; lowest measured, 35.68 ft below land-surface datum, Apr. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.61	20.07	19.25	18.33	18.05	16.89	16.92	16.40	18.08			
10	19.57	20.07	19.16	18.43	17.84	16.73	16.71	16.80	18.01			
15	19.62	20.25	18.99	18.28	17.35	16.87	16.83	18.77	21.05			
20	19.53	20.05	18.83	18.20	17.42	16.71	16.85	17.00	---			
25	19.69	20.04	18.90	17.70	17.56	16.92	16.66	20.70	---			
EOM	20.00	19.71	24.10	17.98	17.46	17.84	16.94	18.89	---			

WTR YR 1984 MEAN 18.49 HIGH 16.35 MAY 3 LOW 24.23 MAY 27

325016090251601. Local number, G126.
LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 801 ft, cased to 761 ft.
DATUM.--Land-surface datum is about 96 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.0 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--January 1939, January 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.1 ft above land-surface datum, Jan. 17, 1939; lowest measured, 40.89 ft below land-surface datum, Jan. 4, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	40.89	MAR 26	39.28

YAZOO RIVER--Continued

324850090412801. Local number, J012.
LOCATION.--Lat 32°48'50", long 90°41'28", Hydrologic Unit 08030207, NE¼SE¼ sec.10, T.11 N., R.5 W., 0.9 mi east of Holly Bluff.
Owner: USCE, L7Y1.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 59 ft.
DATUM.--Land-surface datum is about 100 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.02 ft above land-surface datum.
REMARKS.--Water levels affected by river stage.
PERIOD OF RECORD.--November 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.54 ft below land-surface datum, Jun. 25, 1983; lowest measured, 25.37 ft below land-surface datum, Dec. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.86	19.38	15.48	14.06	16.11	13.04	10.61		---	15.64	17.41	18.05
10	18.98	19.59	14.35	14.94	16.36	11.69	10.54		---	16.05	16.76	18.41
15	19.08	19.64	13.67	14.43	13.41	11.89	10.60		---	15.73	16.91	18.56
20	19.31	19.71	13.35	15.47	12.84	11.81	---		14.05	15.79	17.33	18.81
25	19.46	17.73	13.35	14.74	13.42	12.68	---		14.89	16.72	17.97	19.23
EOM	19.43	16.89	13.34	14.78	13.29	11.68	---		15.26	17.09	18.20	19.39

WTR YR 1984 MEAN 15.81 HIGH 10.46 APR 9 LOW 19.77 NOV 19

324615090375001. Local number, J013.
LOCATION.--Lat 32°46'15", long 90°37'50", Hydrologic Unit 08030207, SE¼NW¼ sec.19, T.11 N., R.4 W., 5.5 mi southeast of center of Holly Bluff.
Owner: USCE, L7Y2.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 74 ft.
DATUM.--Land-surface datum is 98.74 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.11 ft above land-surface datum.
REMARKS.--Water levels affected by river stage.
PERIOD OF RECORD.--November 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.24 ft below land-surface datum, June 5, 1983; lowest measured, 25.90 ft above land-surface datum, Jan. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.99	17.99	15.78	13.73	13.83	12.00	11.73	10.19	10.05	---	18.47	19.05
10	17.99	17.99	14.87	13.89	14.00	10.61	11.12	10.18	10.28	---	18.51	19.15
15	17.99	17.99	14.06	13.54	12.10	10.68	11.07	10.05	11.29	17.70	18.61	19.30
20	17.99	17.99	13.74	13.62	12.28	---	10.93	9.91	---	17.64	18.74	19.43
25	17.99	17.50	13.60	13.07	12.66	---	10.57	9.95	---	18.05	18.89	---
EOM	17.99	17.00	13.69	13.55	12.04	12.86	10.58	10.00	---	18.37	19.02	---

WTR YR 1984 MEAN 14.73 HIGH 9.91 MAY 20 AND OTHERS LOW 19.64 SEP 24

324936090423001. Local number, J128.
LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi north of center of Holly Bluff at Holly Bluff School.
Owner: Holly Bluff Consolidated School.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled school-supply artesian well, diameter 4 in, depth 980 ft, cased to 940 ft.
DATUM.--Land-surface datum is about 103 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, 3.00 ft above land-surface datum.
PERIOD OF RECORD.--August 1939, March 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft above land-surface datum, Aug. 17, 1939; lowest measured, 21.96 ft below land-surface datum, Apr. 4, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
APR 4	21.96

YAZOO COUNTY--Continued

324419090351201. Local number, P018.
LOCATION.--Lat 32°44'19", long 90°35'12", Hydrologic Unit 08030207, SW¼SW¼ sec.2, T.10 N., R.4 W., 5 mi northwest of Satartia.
Owner: USCE, L7Y3.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 53 ft.
DATUM.--Land-surface datum is 101.59 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.94 ft above land-surface datum.
REMARKS.--Water level affected by river stage.
PERIOD OF RECORD.--November 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.72 ft below land-surface datum, May 7, 1980; lowest measured, 29.45 ft below land-surface datum, July 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.78	21.35	2087	19.76	19.59	18.46	17.89	17.27	16.60	18.55		---
10	21.47	21.37	20.63	19.87	19.46	18.46	17.65	17.30	16.91	18.78		22.33
15	21.33	21.47	20.36	19.86	19.08	18.36	17.63	17.18	17.29	18.78		---
20	21.31	21.39	20.17	19.79	19.07	17.99	17.59	17.00	17.78	---		---
25	21.35	21.34	20.07	19.39	19.09	18.10	17.44	16.83	18.11	---		---
EOM	21.35	21.24	---	19.49	19.11	18.33	17.49	16.65	18.35	---		---

WATER YR 1984 MEAN 19.15 HIGH 16.54 JUN 4 LOW 22.78 OCT 4 AND OTHERS.

324354090325501. Local number, Q013.
LOCATION.--Lat 32°43'54", long 90°32'55", Hydrologic Unit 08030206, center NW¼ sec.7, T.10 N., R.3 W., 4 mi north of Satartia.
Owner: John Peaster.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 93 ft.
DATUM.--Land-surface datum is about 95 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.88 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1969, May 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.53 ft below land-surface datum, June 25, 1983; lowest measured, 27.26 ft below land-surface datum, May 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.55	17.25	16.45	18.05	16.62	---	16.62	14.71	17.32	20.15		
10	17.38	17.21	16.28	17.16	16.59	---	14.64	19.56	17.15	---		
15	17.87	17.33	16.54	16.99	---	---	17.50	18.72	17.91	---		
20	17.36	17.18	16.07	16.89	---	---	16.52	16.16	20.97	---		
25	17.36	17.02	16.07	16.58	---	---	16.53	15.52	19.15	---		
EOM	17.25	16.78	15.88	16.71	---	15.50	15.03	19.11	21.95	---		

WTR YR 1984 MEAN 17.08 HIGH 14.42 MAY 3 LOW 22.08 JUL 1

CLAY COUNTY

333351088320301. Local number J097. (USCE 111A)
LOCATION.--Lat 33°35'51", long 88°32'03", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.17 S., R.7 E., 7.2 mi southeast of West Point.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 110 ft, cased to 100 ft.
DATUM.--Land-surface datum is about 180 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.00 ft below land-surface datum, Mar. 22, 1973; lowest measured, 23.20 ft below land-surface datum, Nov. 4, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	22.53	JAN 31	21.55	MAY 14	21.05	AUG 27	22.59

333402088301001. Local number J098. (USCE 112A)
LOCATION.--Lat 33°40'20", long 88°30'10", Hydrologic Unit 03160101, NE¼SE¼ sec.30, T.17 S., R.8 E., 8.8 mi southeast of West Point.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 58 ft, cased to 48 ft.
DATUM.--Land-surface datum is about 190 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.7 ft above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft below land-surface datum, Apr. 22, 1973; lowest measured, 12.63 ft below land-surface datum, Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.08	11.22	10.52	8.17	7.09	6.83	6.71	6.66	7.01	9.74	10.71	11.07
10	11.16	11.22	10.25	7.92	7.09	6.85	6.72	6.61	7.12	9.96	10.68	11.16
15	11.13	11.17	9.73	7.76	6.99	6.83	6.73	6.63	8.48	10.18	10.68	11.26
20	11.17	11.08	9.34	7.55	6.95	6.77	6.77	6.79	8.88	10.26	10.72	11.35
25	11.16	11.00	8.99	7.32	6.89	6.76	6.81	6.88	9.23	10.46	10.83	11.50
EOM	11.21	10.86	8.54	7.19	6.87	6.76	6.77	6.92	9.45	10.64	10.94	11.61

WTR YR 1984 MEAN 8.95 HIGH 6.60 MAY 9 LOW 11.61 SEP 30

ITAWAMBA COUNTY

342215088275502. Local number D034. (USCE 61B)
LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.21, T.8 S., R.8 E., 7.3 mi northwest of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 74 ft, cased to 64 ft.
DATUM.--Land-surface datum is about 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.8 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft below land-surface datum, Mar. 10, 1976; lowest measured, 10.25 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	9.00	FEB 1	7.09	MAY 16	6.03	AUG 29	7.59

324419090351201. Local number, P018.
LOCATION.--Lat 32°44'19", long 90°35'12", Hydrologic Unit 08030207, SW¼SW¼ sec.2, T.10 N., R.4 W., 5 mi northwest of Satartia.
Owner: USCE, L7Y3.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 53 ft.
DATUM.--Land-surface datum is 101.59 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.94 ft above land-surface datum.
REMARKS.--Water level affected by river stage.
PERIOD OF RECORD.--November 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.72 ft below land-surface datum, May 7, 1980; lowest measured, 29.45 ft below land-surface datum, July 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.78	21.35	20870	19.76	19.59	18.46	17.89	17.27	16.60	18.55		---
10	21.47	21.37	20.63	19.87	19.46	18.46	17.65	17.30	16.91	18.78		22.33
15	21.33	21.47	20.36	19.86	19.08	18.36	17.63	17.18	17.29	18.78		---
20	21.31	21.39	20.17	19.79	19.07	17.99	17.59	17.00	17.78	---		---
25	21.35	21.34	20.07	19.39	19.09	18.10	17.44	16.83	18.11	---		---
EOM	21.35	21.24	---	19.49	19.11	18.33	17.49	16.65	18.35	---		---

WATER YR 1984 MEAN 19.15 HIGH 16.54 JUN 4 LOW 22.78 OCT 4 AND OTHERS.

324354090325501. Local number, Q013.
LOCATION.--Lat 32°43'54", long 90°32'55", Hydrologic Unit 08030206, center NW¼ sec.7, T.10 N., R.3 W., 4 mi north of Satartia.
Owner: John Peaster.
AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 93 ft.
DATUM.--Land-surface datum is about 95 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.88 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1969, May 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.53 ft below land-surface datum, June 25, 1983; lowest measured, 27.26 ft below land-surface datum, May 6, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.55	17.25	16.45	18.05	16.62	---	16.62	14.71	17.32	20.15		
10	17.38	17.21	16.28	17.16	16.59	---	14.64	19.56	17.15	---		
15	17.87	17.33	16.54	16.99	---	---	17.50	18.72	17.91	---		
20	17.36	17.18	16.07	16.89	---	---	16.52	16.16	20.97	---		
25	17.36	17.02	16.07	16.58	---	---	16.53	15.52	19.15	---		
EOM	17.25	16.78	15.88	16.71	---	15.50	15.03	19.11	21.95	---		

WTR YR 1984 MEAN 17.08 HIGH 14.42 MAY 3 LOW 22.08 JUL 1

ITAWAMBA COUNTY--Continued

342215088275501. Local number D035. (USCE 61A)
LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.8 S., R.8 E., 7.3 mi northwest of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 214 ft, cased to 204 ft.
DATUM.--Land-surface datum is about 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.3 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.03 ft below land-surface datum, May 26, 1976; lowest measured, 43.42 ft below land-surface datum, Aug. 23, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	39.38	FEB 1	37.50	MAY 16	35.57	AUG 29	27.53

342301088230101. Local number E005. (USCE 65A)
LOCATION.--Lat 34°23'01", long 88°23'01", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.1 mi north of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 130 ft, cased to 110 ft.
DATUM.--Land-surface datum is about 325 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 5.5 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level indicated, flowing >5 ft above land-surface datum, many days in April, September and October 1978; lowest recorded, 47.42 ft below land-surface datum, Aug. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	40.73	---	36.40	35.78	39.53	39.70	39.45	34.58	36.13	35.82	30.40	
10	39.82	38.33	38.40	36.87	39.95	39.20	40.29	35.31	36.08	35.60	27.27	
15	---	---	38.27	37.05	39.87	39.96	40.36	36.19	35.87	35.22	---	
20	---	41.32	38.43	37.34	40.73	40.47	39.55	36.39	35.99	34.64	---	
25	---	35.86	38.53	38.59	40.76	40.67	37.19	35.95	35.61	34.43	---	
EOM	---	37.81	32.72	39.32	40.35	40.10	34.12	36.30	---	33.17	---	

WTR YR 1984 MEAN 37.48 HIGH 27.25 AUG 11 LOW 41.62 NOV 19

341610088264801. Local number G065. (USCE 67A)
LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi west of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 179 ft, cased to 169 ft.
DATUM.--Land-surface datum is about 270 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.63 ft above land-surface datum, May 17, 1979; lowest measured, 23.21 ft below land-surface datum, Feb. 10, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	17.65	FEB 1	14.35	MAY 16	14.23	AUG 28	16.04

ITAWAMBA COUNTY--Continued

341610088264802. Local number G066. (USCE 67B)
LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi west of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 71 ft, cased to 61 ft.
DATUM.--Land-surface datum is about 270 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.42 ft below land-surface datum, May 17, 1979, lowest measured, 19.62 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	18.03	MAY 16	14.84	AUG 28	19.41

341604088244601. Local number G067. (USCE 106B)
LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 175 ft, cased to 165 ft.
DATUM.--Land-surface datum is about 284 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.80 ft above land-surface datum.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft below land-surface datum, June 8, 1978; lowest measured, 44.16 ft below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.22	32.32	28.88	31.24	29.74	29.63	28.77	28.79	29.40	30.92	30.97	28.50
10	31.82	31.31	28.90	31.66	29.70	29.18	28.88	28.36	30.12	31.05	30.41	26.82
15	31.14	30.69	29.05	30.69	29.43	28.71	29.11	29.76	30.83	31.08	29.73	25.80
20	30.76	30.69	29.07	29.96	29.62	28.40	28.72	29.98	31.15	31.31	28.97	25.53
25	31.01	30.18	28.99	29.42	29.92	28.59	29.17	29.42	31.31	31.37	29.21	25.50
EOM	31.61	29.63	30.62	29.63	30.17	28.61	29.30	29.37	31.12	31.16	29.45	25.54

WTR YR 1984 MEAN 29.77 HIGH 25.49 SEP 16 LOW 32.70 OCT 1

341604088244602. Local number G068. (USCE 106A)
LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in, depth 10 ft, cased to 5 ft.
DATUM.--Land-surface datum is about 290 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.8 ft above land-surface datum.
PERIOD OF RECORD.--June 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.21 ft above land-surface datum, June 8, 1978; lowest measured, 0.90 ft below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.95	FEB 1	1.06	MAY 16	0.72	AUG 28	-0.40

341621088255001. Local number G070. (USCE 104C)
LOCATION.--Lat 34°16'21", long 88°25'50", Hydrologic Unit 03160101, NW¼NW¼ sec.26, T.9 S., R.8 E., 1.5 mi west of Fulton.
Owner: U. S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 24 ft, cased to 19 ft.
DATUM.--Land-surface datum is about 260 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.2 ft above land-surface datum.
PERIOD OF RECORD.--February 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.57 ft above land-surface datum, May 31, 1983; lowest measured, 4.78 ft below land-surface datum, Aug. 28, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	1.92	FEB 1	0.42	MAY 16	0.66	AUG 28	4.78

ITAWAMBA COUNTY--Continued

341221088241201. Local number K039. (USCE 71A)
LOCATION.--Lat 34°14'25", long 88°19'31", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.10 S., R.9 E., 4.6 mi southwest of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 170 ft, cased to 150 ft.
DATUM.--Land-surface datum is about 273 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.24 ft below land-surface datum, Mar. 10, 1976; lowest measured, 17.49 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	12.59	FEB 1	11.18	MAY 16	11.22	AUG 29	14.04

341232088225302. Local number L014. (USCE 74A)
LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 150 ft, cased to 130 ft.
DATUM.--Land-surface datum is about 270 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.63 ft below land-surface datum, Mar. 14, 1975; lowest recorded 24.04 ft below land-surface datum, Oct. 20, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.04	---	17.73	18.27	18.37	18.17	17.85	17.41	17.55	19.08	19.83	
10	21.10	---	18.42	18.47	18.39	18.17	17.93	17.38	17.85	19.25	19.88	
15	21.04	---	18.29	18.57	18.22	18.17	18.03	17.96	18.15	19.37	19.94	
20	20.89	20.42	18.39	18.57	18.24	17.90	18.16	18.19	18.49	19.42	19.95	
25	---	19.80	18.33	18.29	18.34	18.02	17.92	17.29	18.73	19.62	20.11	
EOM	---	19.32	18.15	18.31	18.25	18.07	17.79	17.42	18.90	19.70	---	

WTR YR 1984 MEAN 18.73 HIGH 17.28 MAY 23 LOW 21.16 AUG 28

341232088222801. Local number L016. (USCE 75A)
LOCATION.--Lat 34°12'32", long 88°22'28", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 4.8 mi southeast of Fulton.
Owner: U.S. Army, Corps of Engineers
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 144 ft, cased to 124 ft.
DATUM.--Land-surface datum is about 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.
PERIOD OF RECORD.--July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.12 ft below land-surface datum, Apr. 25, 1973; lowest measured, 33.49 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	30.69	JAN 31	28.06	MAY 15	27.67	AUG 28	30.99

341235088233801. Local number L017. (USCE 72A)
LOCATION.--Lat 34°12'35", long 88°23'38", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian wells, diameter 4 in, depth 21 ft, cased to 16 ft.
DATUM.--Land-surface datum is about 249 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.6 ft.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.0 ft above land-surface datum, Feb. 9, 1975; lowest measured, 5.01 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) AND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	-0.42	FEB 1	0.81	AUG 29	-4.94

NOTE: Well inexcessible during high river stages.

ITAWAMBA COUNTY--Continued

241232088225301. Local number L019. (USCE 74B)
LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi south of Fulton.
Owner: Sarge Benson.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Dug unused water-table well, diameter 24 in, depth 16 ft, cased to 16 ft.
DATUM.--Land-surface datum is about 270 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.
PERIOD OF RECORD.--January 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.48 ft below land-surface datum, Jan. 23, 1973; lowest measured, 10.98 ft below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	7.84	JAN 31	4.30	MAY 15	4.92	AUG 28	10.93

340544088255201. Local number N028. (USCE 81A)
LOCATION.--Lat 34°05'44", long 88°25'52", Hydrologic Unit 03160101, NE¼SW¼ sec.26, T.11 S., R.8 E., 12.3 mi south of Fulton.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 180 ft, cased to 170 ft.
DATUM.--Land-surface datum is about 246 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft below land-surface datum, Mar. 10, 1976; lowest measured, 22.60 ft below land-surface datum, Nov. 5, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	12.08	FEB 1	10.54	MAY 16	10.55	AUG 29	12.92

LOWNDES COUNTY

333805088291001. Local number A033. (USCE TTM 3A)
LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 78 ft.
DATUM.--Land-surface datum is about 182 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.27 ft below land-surface datum, June 9, 1978; lowest measured, 10.73 ft below land-surface datum, Nov. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	9.37	JAN 31	2.71	MAY 15	2.99	AUG 28	8.39

333805088291002. Local number A034. (USCE TTM 3B)
LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 31 ft, cased to 21 ft.
DATUM.--Land-surface datum is about 182 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.9 ft above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.71 ft below land-surface datum, Apr. 20, 1982; lowest measured 25.91 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.81	8.40	4.03	1.52	1.58	.86	1.24	1.13	4.00	6.03	7.25	8.14
10	7.93	8.48	2.48	1.70	1.57	1.33	1.51	1.42	4.51	6.27	7.36	8.26
15	8.02	8.60	1.43	1.30	1.44	1.75	1.85	2.02	4.99	6.49	7.48	8.40
20	8.12	8.63	1.63	1.33	1.57	1.43	1.48	2.44	5.38	6.68	7.63	8.54
25	8.19	8.51	1.52	.96	1.88	1.64	1.69	2.59	5.62	6.93	7.80	8.71
EOM	8.31	8.24	1.21	1.44	1.39	1.71	1.11	3.31	5.83	7.16	7.97	8.86

WTR YR 1984 MEAN 4.52 HIGH .67 DEC 28 LOW 8.86 SEP 30

LOWNDES COUNTY--Continued

333354088270501. Local number C099. (USCE 115A)
LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 84 ft, cased to 74 ft.
DATUM.--Land-surface datum is about 172 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft below land-surface datum, Mar. 22, 1973; lowest measured, 8.82 ft below land-surface datum, Nov. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	7.70	JAN 31	4.81	MAY 15	4.48	AUG 27	6.28

333355088282502. Local number C100. (USCE 114B)
LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 47 ft, cased to 37 ft.
DATUM.--Land-surface datum is about 170 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft above land-surface datum, Mar. 23, 1973; lowest measured, 10.80 ft below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	6.68	JAN 31	4.13	MAY 15	4.18	AUG 27	5.71

333355088282503. Local number C101. (USCE 114C)
LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 92 ft, cased to 82 ft.
DATUM.--Land-surface datum is about 170 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.3 ft above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.59 ft below land-surface datum, Mar. 23, 1973; lowest measured, 11.61 ft below land-surface datum, Feb. 5, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	9.14	JAN 31	8.47	MAY 15	7.97	AUG 27	8.81

333354088270502. Local number C102. (USCE 115B)
LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi northwest of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 24 ft, cased to 19 ft.
DATUM.--Land-surface datum is about 172 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft below land-surface datum, Mar. 22, 1973; lowest measured, 10.57 ft below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	9.14	JAN 31	2.35	MAY 15	2.75	AUG 27	5.38

LOWNDES COUNTY--Continued

332935088282001. Local number F073. (USCE TTM 2A)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.19 N., R.17 E., 2.3 mi west of Columbus.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 162 ft, cased to 152 ft.

DATUM.--Land-surface datum is about 160 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.8 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft below land-surface datum, June 4, 1975; lowest measured, 27.64 ft below land-surface datum, Aug. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	25.42	JAN 30	25.68	MAY 14	24.19	AUG 27	25.44

332935088282002. Local number F074. (USCE TTM 2B)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼SW¼ sec.17, T.20 S., R.17 W., 2.3 mi west of Columbus.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 19 ft, cased to 9 ft.

DATUM.--Land-surface datum is about 160 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.3 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.14 ft below land-surface datum, Mar. 7, 1983; lowest measured, dry, Feb. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	16.05	JAN 30	12.37	MAY 14	10.79	AUG 27	17.39

331915088202001. Local number Q012. (USCE TTM 1A)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi southeast of Columbus.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 141 ft, cased to 131 ft.

DATUM.--Land-surface datum is about 150 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.55 ft below land-surface datum, Mar. 7, 1983; lowest measured, 13.90 ft below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	6.58	JAN 30	5.91	MAY 14	5.43	AUG 27	6.07

331915088202002. Local number Q013. (USCE TTM 1B)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi southeast of Columbus.
Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 24 ft, cased to 14 ft.

DATUM.--Land-surface datum is about 150 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.2 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft below land-surface datum, Mar. 7, 1983; lowest measured, 17.60 ft below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	12.48	JAN 30	9.78	MAY 14	8.06	AUG 27	12.71

MONROE COUNTY

340504088241101. Local number C051. (USCE 84A)
LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 170 ft, cased to 150 ft.
DATUM.--Land-surface datum is about 234 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.8 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.3 ft above land-surface datum, Mar. 10, 1976; lowest measured, 7.63 ft below land-surface datum, Feb. 1, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	3.20	FEB 1	3.80	MAY 16	3.75	AUG 29	2.85

340504088241102. Local number C052. (USCE 84B)
LOCATION.--Lat 34°05'04", long 88°14'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 110 ft, cased to 100 ft.
DATUM.--Land-surface datum is about 234 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.2 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 11.46 ft above land-surface datum, Aug. 2, 1977; lowest measured, 12.64 ft below land-surface datum, Feb. 11, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	2.28	FEB 1	2.48	MAY 16	2.46	AUG 29	1.46

340504088241103. Local number C053. (USCE 84C)
LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 27 ft, cased to 7 ft.
DATUM.--Land-surface datum is about 234 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.3 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft above land-surface datum, Feb. 13, 1977; lowest measured, 9.17 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	4.72	FEB 1	0.19	MAY 16	0.79	AUG 29	6.80

340454088250401. Local number C054. (USCE 85A)
LOCATION.--Lat 34°04'54", long 88°25'04", Hydrologic Unit 03160101, SW¼NE¼ sec.36, T.11 S., R.8 E., 6.0 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 21 ft, cased to 11 ft.
DATUM.--Land-surface datum is about 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.5 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft below land-surface datum, Jan. 23, 1973; lowest measured, 8.72 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	7.33	FEB 1	1.79	MAY 16	2.22	AUG 29	8.00

MONROE COUNTY--Continued

340426088245101. Local number C056. (USCE 87A)
LOCATION.--Lat 34°04'26", long 88°24'51", Hydrologic Unit 03160101, SE¼SW¼ sec.36, T.11 S., R.8 E., 6 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 13 ft, cased to 8 ft.
DATUM.--Land-surface datum is about 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to Nov. 16, 1983 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft above land-surface datum, Mar. 13, 1980; lowest measured, 6.70 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
NOV 16	4.85

340409088243801. Local number C057. (USCE 89A)
LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 166 ft, cased to 146 ft.
DATUM.--Land-surface datum is about 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.48 ft above land-surface datum, Apr. 26, 1973; lowest measured, 33.35 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.48	8.58	6.43	7.70	7.10	6.88	6.71	6.25	7.35	8.75	9.21	9.89
10	8.52	8.51	7.12	7.29	7.10	6.96	6.81	6.06	7.65	8.83	9.28	9.93
15	8.48	8.35	7.19	7.19	7.02	6.96	6.92	7.32	8.04	9.00	9.38	10.09
20	8.50	8.20	7.81	7.16	7.00	6.81	6.87	7.34	8.29	8.95	9.50	10.09
25	8.46	8.08	7.35	7.18	7.03	6.89	7.03	7.31	8.37	9.16	9.63	10.23
EOM	8.49	7.89	7.32	7.15	6.97	6.94	6.58	7.28	8.54	9.12	9.78	10.26

WTR YR 1984 MEAN 7.28 HIGH 5.27 MAY 4 LOW 10.30 SEP 29

340409088243802. Local number C058. (USCE 89B)
LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan Formation of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 45 ft, cased to 40 ft.
DATUM.--Land-surface datum is about 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.22 ft below land-surface datum, MAY 15, 1984; lowest measured, 10.03 ft below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	8.15	JAN 31	4.05	MAY 15	3.22	AUG 28	8.49

MONROE COUNTY--Continued

340054088281801. Local number C059. (USCE 95A)
LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 S., 0.5 mi north of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 166 ft, cased to 156 ft.
DATUM.--Land-surface datum is about 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft above land-surface datum, March 22, 1973; lowest measured, 16.45 ft below land-surface datum, Feb. 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.00	10.11	8.81	9.82	9.87	9.64	9.59	9.45	10.03	11.34	11.90	12.45
10	10.18	10.09	9.72	9.75	9.89	9.70	9.67	9.37	10.53	11.41	11.81	12.59
15	10.09	9.95	9.59	9.81	9.69	9.69	9.72	9.72	10.96	11.59	11.67	12.51
20	10.05	9.95	9.63	9.84	9.72	9.57	9.68	9.82	11.36	11.58	11.69	12.69
25	9.95	9.79	9.55	9.88	9.69	9.64	9.63	9.79	11.41	11.59	12.02	12.80
EOM	10.09	9.80	9.89	9.88	9.66	9.71	9.53	10.65	11.32	11.68	12.35	12.73

WTR YR 1984 MEAN 10.42 HIGH 8.81 DEC 5 LOW 12.83 SEP 26

340018088270701. Local number C060. (USCE 96A)
LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, NW¼SE¼ sec.20, T.12 S., R.18 W., 0.8 mi northeast of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 164 ft, cased to 154 ft.
DATUM.--Land-surface datum is about 253 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.8 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.92 ft below land-surface datum, Apr. 26, 1973: lowest measured, 35.57 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	30.07	JAN 31	29.89	MAY 15	29.53	AUG 29	31.85

340056088283001. Local number C066. (USCE 94A)
LOCATION.--Lat 34°00'56", long 88°28'30", Hydrologic Unit 03160101, SE¼SE¼ sec.20, T.12 S., R.8 E., 0.5 mi north of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 20 ft, cased to 10 ft.
DATUM.--Land-surface datum is about 217 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft above land-surface datum, Feb. 17, 1982, 1974; lowest measured, 4.87 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	-0.30	JAN 31	0.25	MAY 15	0.30	AUG 28	-1.32

MONROE COUNTY--Continued

340054088281802. Local number C067. (USCE 95B)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 E., 0.5 mi north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in depth 20 ft, cased to 10 ft.

DATUM.--Land-surface datum is about 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.57 ft below land-surface datum, Apr. 10, 1983; lowest measured, 9.97 ft below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.23	2.94	.68	.63	.72	.37	.43	.23	.75	1.62	1.69	2.23
10	3.28	3.02	.96	.74	.73	.44	.46	.16	.89	1.77	1.62	2.17
15	2.86	2.35	.79	.60	.66	.52	.59	.29	1.06	1.79	1.79	2.40
20	3.07	1.85	.90	.51	.69	.47	.47	.34	1.22	1.67	1.89	2.60
25	2.60	1.62	.73	.36	.76	.56	.53	.50	1.28	1.84	1.98	2.76
EOM	2.92	1.37	.54	.61	.54	.61	.37	.56	1.39	1.73	2.06	2.59

WTR YR 1984 MEAN 1.31 HIGH .08 MAY 8 LOW 3.36 OCT 9

340018088270702. Local number C070. (USCE 96B)

LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 0.5 mi north of Amory.

Owner: Irma Tubbs.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water table well, diameter 24 in, depth 16 ft.

DATUM.--Land-surface datum is about 257 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft below land-surface datum, Apr. 14, 1980; lowest measured, 12.10 ft below land-surface datum, Nov. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.11	10.17	2.74	3.56	3.76	3.31	3.14	3.05	5.30	7.99	9.46	10.65
10	10.27	10.15	3.27	3.70	3.89	3.33	3.58	3.16	6.00	8.31	9.51	10.81
15	10.11	10.03	2.98	3.37	3.22	3.55	4.08	4.09	6.59	8.63	9.77	10.95
20	10.30	8.03	3.44	3.26	3.44	3.41	3.91	4.83	7.06	8.72	9.99	11.09
25	9.98	4.95	3.31	3.01	3.75	3.57	3.60	4.92	7.28	9.07	10.22	11.23
EOM	10.19	3.92	3.33	3.54	3.17	3.75	3.15	4.34	7.65	9.26	10.47	11.36

WTR YR 1984 MEAN 6.27 HIGH 2.27 DEC 3 LOW 11.36 SEP 30

335902088314501. Local number C080. (USCE TTM 6A)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi west of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Tombigbee Sand Member of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 65 ft, cased to 55 ft.

DATUM.--Land-surface datum is about 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.62 ft below land-surface datum, Mar. 8, 1983; lowest measured 13.19 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	11.62	JAN 31	5.36	MAY 15	5.43	AUG 28	10.19

MONROE COUNTY--Continued

335902088314502. Local number C081. (USCE TTM 6B)
LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi west of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 38 ft, cased to 28 ft.
DATUM.--Land-surface datum is about 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.
PERIOD OF RECORD.--June 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.36 ft below land-surface datum, Mar. 8, 1983; lowest measured, 12.82 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	10.97	JAN 31	5.00	MAY 15	4.84	AUG 28	9.90

335445088312501. Local number H017. (USCE TTM 5A)
LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 80 ft.
DATUM.--Land-surface datum is about 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.18 ft below land-surface datum, Mar. 8, 1983; lowest measurement, 15.15 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	13.07	JAN 31	6.66	MAY 15	6.57	AUG 28	9.61

335445088312502. Local number H018. (USCE TTM 5B)
LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 26 ft, cased to 16 ft.
DATUM.--Land-surface datum is about 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.0 ft above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.71 ft below land-surface datum, Mar. 8, 1983; lowest measured, 13.86 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	13.16	JAN 31	6.38	MAY 15	5.89	AUG 28	9.93

335122088293001. Local number L062. (USCE 105A)
LOCATION.--Lat 33°51'22", long 88°29'30", Hydrologic Unit 03160101, SW¼SW¼ sec.19, T.14 S., R.19 W., 3.7 mi northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 64 ft, cased to 54 ft.
DATUM.--Land-surface datum is about 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.8 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 6.20 ft below land-surface datum, Mar. 22, 1973; lowest measured, 14.65 ft Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.52	13.66	10.11	8.48	8.33		---	---	9.40	10.95	12.14	12.98
10	13.69	13.66	9.32	8.57	8.52		---	---	9.90	11.27	12.02	13.12
15	13.55	---	8.67	---	---		8.36	---	10.34	11.50	12.18	13.26
20	13.60	13.60	8.78	---	---		8.52	8.42	10.71	11.65	12.33	13.42
25	13.58	12.76	8.66	---	8.47		---	8.32	10.65	11.91	12.57	13.61
EOM	13.66	11.84	8.41	---	---		---	8.89	10.67	12.10	12.76	13.68

WTR YR 1984 MEAN 11.27 HIGH 8.05 MAY 16 LOW 13.77 NOV 17

MONROE COUNTY--Continued

335117088332801. Local number L063. (USCE 101A)
LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03610101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 80 ft.
DATUM.--Land-surface datum is about 202 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft below land-surface datum, Mar. 22, 1973; lowest measured, 25.28 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	23.89	JAN 31	16.93	MAY 15	15.60	AUG 28	21.48

335118088323201. Local number L064. (USCE 102A)
LOCATION.--Lat 34°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2 mi north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 50 ft, cased to 40 ft.
DATUM.--Land-surface datum is about 191 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.39 ft above land-surface datum, Mar. 12, 1980; lowest measured, 11.46 ft below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	7.64	JAN 31	1.50	MAY 15	1.59	AUG 28	5.30

335122088305201. Local number L065. (USCE 104A)
LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 W., 2.3 mi northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in , depth 55 ft, cased to 50 ft.
DATUM.--Land-surface datum is about 194 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.55 ft below land-surface datum, Jan. 31, 1984; lowest measured, 9.77 ft below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	8.70	JAN 31	1.55	MAY 15	1.77	AUG 28	5.64

335122088305202. Local number L067. (USCE 104B)
LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 E., 2.3 mi northeast of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 24 ft, cased to 19 ft .
DATUM.--Land-surface datum is about 194 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.65 ft below land-surface datum, Feb. 9, 1982; lowest measured 9.27 ft below land-surface datum, Nov. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	9.07	JAN 31	2.61	MAY 15	3.27	AUG 28	6.15

MONROE COUNTY--Continued

335118088323202. Local number L068. (USCE 102B)
LOCATION.--Lat 33°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 30 ft, cased to 25 ft.
DATUM.--Land-surface datum is about 191 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.98 ft above land-surface datum, May 26, 1980; lowest measured, 8.80 ft below land-surface datum, Dec. 11, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	7.09	JAN 31	1.68	MAY 15	1.35	AUG 28	5.01

335117088332802. Local number L069. (USCE 101B)
LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi north of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 20 ft, cased to 15 ft.
DATUM.--Land-surface datum is about 202 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.6 ft above land-surface datum.
PERIOD OF RECORD.--August 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.05 ft below land-surface datum, May 30, 1973; lowest measured, 13.00 ft below land-surface datum, Nov. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	10.94	JAN 31	2.13	MAY 15	3.29	AUG 28	9.70

334910088311501. Local number L073. (USCE TTM 4A)
LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi east of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 177 ft, cased to 167 ft.
DATUM.--Land-surface datum is about 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.2 ft above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.73 ft below land-surface datum, Mar. 11, 1980; lowest measured, 33.46 ft below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	31.51	JAN 31	28.68	MAY 15	26.96	AUG 28	30.98

334910088311502. Local number L074. (USCE TTM 4B)
LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi east of Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 26 ft, cased to 16 ft.
DATUM.--Land-surface datum is about 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.3 ft above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.50 ft below land-surface datum, Mar. 8, 1983; lowest measured, 14.87 ft below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	11.18	JAN 31	8.76	MAY 15	9.39	AUG 28	12.80

MONROE COUNTY--Continued

334958088323601. Local number L075. (USCE AB11)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SE¼SE¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan Formation of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 224 ft, cased to 204 ft.
DATUM.--Land-surface datum is about 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.52 ft below land-surface datum, May 11, 1977; lowest measured, 27.43 ft below land-surface datum, Aug. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.53	25.04	22.14	23.77	23.21	22.71	22.35	21.85	22.52	23.46	23.62	24.49
10	25.04	24.88	21.86	24.17	23.26	22.60	22.41	21.73	22.80	23.39	23.84	24.74
15	25.24	25.08	22.56	24.22	23.14	22.75	22.42	22.38	23.20	23.32	23.77	25.13
20	25.25	24.52	22.45	24.34	22.95	22.75	22.69	21.98	23.61	23.25	23.75	25.26
25	24.94	23.78	22.68	24.12	23.04	22.47	22.49	22.07	23.14	23.30	24.05	25.08
EOM	25.18	23.29	23.41	24.23	23.08	22.70	22.20	22.31	23.06	23.45	24.15	25.26

WTR YR 1984 MEAN 23.47 HIGH 21.57 DEC 8 LOW 25.50 SEP 18

334958088323602. Local number L077. (USCE AB10)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 145 ft, cased to 135 ft.
DATUM.--Land-surface datum is about 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.5 ft above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.25 ft below land-surface datum, Mar. 8, 1983; lowest measured, 67.86 ft below land-surface datum, Aug. 8, 1979

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	48.20	JAN 31	55.65	MAY 15	40.08	AUG 28	45.18

334958088323603. Local number L078. (USCE AB12)
LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 80 ft.
DATUM.--Land-surface datum is about 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.0 ft above land-surface datum.
PERIOD OF RECORD.--February 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.40 ft below land-surface datum, Apr. 10, 1983; lowest measured, 52.09 ft below land-surface datum, Jan. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	45.51	45.17	34.82	44.95	43.36	39.13	37.70	34.92	41.66	43.13	41.68	40.38
10	46.90	45.13	35.10	46.10	43.46	38.58	38.76	35.37	41.00	40.92	42.77	40.74
15	46.66	44.83	40.12	46.02	43.41	39.09	37.58	40.12	43.13	40.11	42.17	41.93
20	46.10	44.43	38.14	46.35	41.25	40.55	40.79	38.68	43.30	40.21	41.54	42.29
25	45.13	40.59	40.38	45.34	40.88	37.65	37.67	38.91	41.82	39.59	42.84	40.98
EOM	45.66	41.68	43.55	45.87	40.65	39.39	36.00	39.82	40.09	41.16	40.27	41.42

WTR YR 1984 MEAN 41.52 HIGH 32.77 DEC 7 LOW 46.97 OCT 11

PRENTISS COUNTY

342900088201601. Local number M016. (USCE 53A)
LOCATION.--Lat 34°29'00", long 88°20'16", Hydrologic Unit 03160101, NW¼SE¼ sec.10, T.7 S., R.9 E., 15.7 mi southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 35 ft, cased to 30 ft.
DATUM.--Land-surface datum is about 332 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.4 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft below land-surface datum, Apr. 25, 1973; lowest measured, 10.24 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	3.58	FEB 8	1.52	MAY 16	2.02	AUG 29	8.55

PRENTISS COUNTY--Continued

343201088204703. Local number M017. (USCE 43C)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 85 ft.
DATUM.--Land-surface datum is about 445 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.83 ft below land-surface datum, May 23, 1980; lowest measured, 34.93 ft below land-surface datum, Dec. 15, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.01	30.46	30.24	29.72	29.75	29.38	29.11	28.54	27.36	27.13	27.22	27.50
10	30.07	30.47	30.20	29.77	29.51	29.49	29.07	28.25	27.31	27.17	27.22	27.45
15	30.17	30.57	30.23	29.82	29.56	29.40	29.02	28.04	27.24	27.17	27.27	27.62
20	30.21	30.54	30.05	29.82	29.56	29.20	28.98	27.72	27.21	27.18	27.27	27.58
25	30.32	30.60	30.18	29.60	29.55	29.24	28.92	27.57	27.18	27.19	27.37	27.69
EOM	30.42	30.62	30.05	29.74	29.65	29.39	28.88	27.47	27.13	27.17	27.42	27.76

WTR YR 1984 MEAN 28.82 HIGH 27.11 JUL 17 LOW 30.64 DEC 1

343201088204702. Local number M018. (USCE 43B)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 120 ft, cased to 110 ft.
DATUM.--Land-surface datum is about 460 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.01 ft below land-surface datum, Aug. 29, 1984; lowest measured, 52.45 ft below land-surface datum, May 20, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	47.39	FEB 8	47.04	MAY 16	45.48	AUG 29	44.01

342911088205201. Local number M019. (USCE 52A)
LOCATION.--Lat 34°29'11", long 88°20'52", Hydrologic Unit 03160101, NE¼SE¼ sec.9. T.7 S., R.9 E., 15.6 mi southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 40 ft, cased to 35 ft.
DATUM.--Land-surface datum is about 324 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.2 ft above land-surface datum, Apr. 25, 1973; lowest measured, 8.44 ft below land-surface datum, Aug. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	7.86	FEB 8	4.53	MAY 16	3.96	AUG 29	8.44

342917088212701. Local number M020. (USCE 51A)
LOCATION.--Lat 34°29'17", long 88°21'27", Hydrologic Unit 03160101, SE¼NW¼ sec.9, T.7 S., R.9 E., 15.5 mi southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 64 ft, cased to 59 ft.
DATUM.--Land-surface datum is about 356 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft below land-surface datum, Apr. 25, 1973; lowest measured, 35.22 ft below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	34.35	FEB 8	31.82	MAY 16	31.67	AUG 29	34.58

PRENTISS COUNTY--Continued

343152088213002. Local number MO21. (USCE 41A)
LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 226 ft, cased to 206 ft.
DATUM.--Land-surface datum is about 480 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.4 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.65 ft below land-surface datum, July 12, 1973; lowest recorded, 152.29 ft below land-surface datum, Sept. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	151.24	151.23	150.94	150.99	150.98	150.95	150.82	150.68	151.06	151.53	151.92	152.12
10	151.28	151.12	150.94	150.98	151.11	151.05	150.87	150.77	151.25	151.63	151.93	152.12
15	151.27	151.06	150.93	150.98	150.94	151.05	150.87	150.88	151.27	151.66	151.98	152.15
20	151.28	151.06	150.96	151.12	150.95	150.94	150.88	150.98	151.31	151.66	152.00	152.36
25	151.26	151.00	150.99	150.99	150.95	150.93	150.85	150.99	151.31	151.70	152.05	152.40
EOM	151.29	151.07	151.00	151.00	150.95	150.88	150.86	151.05	151.32	151.71	152.08	152.43

WTR YR 1984 MEAN 151.26 HIGH 150.65 MAY 4 LOW 152.43 SEP 29

343152088213003. Local number MO22. (USCE 41B)
LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 176 ft, cased to 166 ft.
DATUM.--Land-surface datum is about 480 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 71.30 ft below land-surface datum, June 19, 1980; lowest measured, 77.96 ft below land-surface datum, Nov. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.71	74.02	74.08	73.83	73.98	73.85	73.84	73.66	72.97	72.77	72.97	73.43
10	73.74	73.94	74.19	73.99	73.80	74.03	73.82	73.59	72.96	72.88	73.03	73.27
15	73.85	74.17	74.34	74.06	73.93	73.94	73.80	73.53	72.89	72.90	73.12	73.54
20	73.82	74.14	74.11	74.09	73.95	73.71	73.82	73.09	72.85	72.91	73.10	73.43
25	73.98	74.32	74.40	73.84	73.98	73.85	73.83	73.11	72.88	72.93	73.26	73.61
EOM	74.00	74.37	74.39	74.07	74.16	74.13	73.85	73.09	72.81	72.90	73.27	73.65

WTR YR 1984 MEAN 73.63 HIGH 72.77 JUN 27 AND OTHERS LOW 74.49 DEC 30

343201088204701. Local number MO23. (USCE 43A)
LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 170 ft, cased to 150 ft.
DATUM.--Land-surface datum is about 460 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.7 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 116.43 ft below land-surface datum, Apr. 25, 1973; lowest measured, 132.78 ft below land-surface datum, Nov. 18, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	132.78	FEB 8	130.05	MAY 16	126.86	AUG 29	131.00

PRENTISS COUNTY--Continued

343201088194701. Local number M025. (USCE 43D)
LOCATION.--Lat 34°32'01", long 88°19'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi southeast of Booneville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 118 ft, cased to 108 ft.
DATUM.--Land-surface datum is about 460 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.8 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.38 ft below land-surface datum, Aug. 10, 1983; lowest measured, 54.16 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	49.66	FEB 8	48.86	MAY 16	47.47	AUG 29	45.97

343150088205801. Local number M026. (USCE 42A)
LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 69 ft, cased to 59 ft.
DATUM.--Land-surface datum is about 420 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.7 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.09 ft below land-surface datum, May 27, 1980; lowest measured, 25.83 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 8	20.85	MAY 16	18.63	AUG 29	19.64

343150088205802. Local number M027. (USCE 42B)
LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi east of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 49 ft, cased to 39 ft.
DATUM.--Land-surface datum is about 420 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.0 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.38 ft below land-surface datum, May 27, 1980; lowest measured, 25.90 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	22.20	FEB 8	20.36	MAY 16	18.77	AUG 29	19.78

342838088215001. Local number M028. (USCE 123A)
LOCATION.--Lat 34°28'38", long 88°21'50", Hydrologic Unit 03160101, NW¼NW¼ sec.16, T.7 S., R.9 E., 6.25 mi southeast of Marietta.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Terraces, undifferentiated, of Quarternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 23 ft, cased to 18 ft.
DATUM.--Land-surface datum is about 316 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.2 ft above land-surface datum.
PERIOD OF RECORD.--February 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.50 ft below land-surface datum, Feb. 14, 1981; lowest measured, 10.76 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	9.77	FEB 8	3.08	MAY 16	3.67	AUG 29	9.74

TISHOMINGO COUNTY

344643088182102. Local number D037. (USCE 14A)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 184 ft.
DATUM.--Land-surface datum is about 545 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.59 ft below land-surface datum, Apr. 25, 1973; lowest measured, 78.52 ft below land-surface datum, May 19, 1981.

Obstruction. No measurement made since May 19, 1981.

344638088200102. Local number D040. (USCE 12A)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 190 ft.
DATUM.--Land-surface datum is about 485 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.98 ft below land-surface datum, Mar. 22, 1973; lowest measured, 98.96 ft below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	71.11	FEB 8	69.92	MAY 17	64.02	AUG 30	67.68

344638088200103. Local number D041. (USCE 12B)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 150 ft.
DATUM.--Land-surface datum is about 485 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.29 ft below land-surface datum, Mar. 22, 1973; lowest measured, 83.47 ft below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	66.18	FEB 8	64.98	MAY 17	60.91	AUG 30	64.79

344638088200104. Local number D042. (USCE 12C)
LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 88 ft, cased to 78 ft.
DATUM.--Land-surface datum is about 485 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.8 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.39 ft below land-surface datum, Mar. 22, 1973; lowest recorded, 62.41 ft below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.30	57.11	56.42	55.68	55.66	55.67	55.50	55.01	---			
10	57.33	56.80	56.46	55.72	---	---	---	54.99	---			
15	57.31	56.85	56.22	55.98	55.72	---	---	54.88	---			
20	57.15	56.76	56.51	56.11	---	55.58	55.37	54.86	---			
25	57.22	56.92	56.57	55.67	55.74	55.58	55.28	54.99	---			
EOM	57.34	56.92	56.33	---	55.93	55.84	55.37	---	---			

WTR YR 1984 MEAN 56.11 HIGH 54.74 MAY 21 LOW 57.46 OCT 1

TISHOMINGO COUNTY--Continued

344643088182103. Local number D043. (USCE 14B)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 154 ft.
DATUM.--Land-surface datum is about 545 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.51 ft below land-surface datum, Apr. 25, 1973; lowest measured, 89.63 ft below land-surface datum, Feb. 11, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	85.93	FEB 8	86.20	MAY 17	85.69	AUG 30	86.81

344643088182104. Local number D044. (USCE 14C)
LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi south of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 106 ft, cased to 100 ft.
DATUM.--Land-surface datum is about 545 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.63 ft below land-surface datum, Apr. 25, 1973; lowest measured, 80.57 ft below land-surface datum, Aug. 26, 1982.

Obstruction. No measurement made since March 8, 1983.

344616088211801. Local number D050. (USCE 11C)
LOCATION.--Lat 34°46'16", long 88°21'18", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi southwest of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 404 ft.
DATUM.--Land-surface datum is about 505 ft National Geodetic Vertical Datum of 1929. Top of casing, 2.6 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.65 ft below land-surface datum, Mar. 9, 1976; lowest measured, 118.96 ft below land-surface datum, Aug. 10, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	115.96	FEB 8	114.83	MAY 17	115.36	AUG 30	116.49

344617088211901. Local number D051. (USCE 11D)
LOCATION.--Lat 34°46'17", long 88°21'19", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi southwest Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 210 ft.
DATUM.--Land-surface datum is about 505 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.02 ft below land-surface datum, Mar. 9, 1976; lowest measured, 103.03 ft below land-surface datum, Jun. 1, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	97.81	FEB 8	93.77	MAY 17	91.26	AUG 30	91.80

TISHOMINGO COUNTY--Continued

344634088173201. Local number E014. (USCE 15A)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 340 ft, cased to 320 ft.
DATUM.--Land-surface datum is about 540 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.19 ft below land-surface datum, Apr. 25, 1973; lowest measured, 114.85 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	101.28	FEB 8	99.96	MAY 17	97.26	AUG 30	99.08

344634088173202. Local number E015. (USCE 15B)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 204 ft, cased to 184 ft.
DATUM.--Land-surface datum is about 540 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft below land-surface datum, Mar. 2, 1972; lowest measured, 69.84 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	66.40	FEB 8	65.57	MAY 17	64.19	AUG 30	65.78

344634088173203. Local number E016. (USCE 15C)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi southeast of Burnsville.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 130 ft, cased to 120 ft.
DATUM.--Land-surface datum is about 540 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.66 ft below land-surface datum, Mar. 30, 1976; lowest recorded, 58.16 ft below land-surface datum, Nov. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.49	57.36	56.54	56.43	56.18	56.14	55.89	55.49	55.80	56.15	56.39	56.83
10	57.53	57.32	56.55	56.33	56.33	56.24	55.88	55.44	55.93	56.14	56.42	56.89
15	57.39	57.25	56.33	56.40	56.19	56.22	55.85	55.48	56.05	56.24	56.50	56.91
20	57.41	56.96	56.54	56.43	56.19	56.03	55.88	55.54	56.12	56.21	56.51	56.99
25	57.36	56.91	56.61	56.31	56.17	56.01	55.80	55.55	56.07	56.34	56.68	57.03
EOM	57.44	56.87	56.56	56.25	56.15	56.00	55.75	55.73	56.07	56.32	56.76	57.08

WTR YR 1984 MEAN 56.41 HIGH 55.42 MAY 8 LOW 57.53 OCT 8

344155088194801. Local number G004. (USCE 21A)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi southwest of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 278 ft, cased to 268 ft.
DATUM.--Land-surface datum is about 585 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 103.54 ft below land-surface datum, May 17, 1984; lowest measured, 149.15 ft below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 20	130.02	MAY 17	103.54	AUG 30	106.97

TISHOMINGO COUNTY--Continued

344155088194802. Local number G005. (USCE 21B)
LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi southwest of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 235 ft.
DATUM.--Land-surface datum is about 585 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.90 ft below land-surface datum, Aug. 30, 1984; lowest measured, 138.50 ft below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	106.42	FEB 8	108.59	MAY 17	108.89	AUG 30	99.90

344110088151002. Local number G013. (USCE 35A)
LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi northeast of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 300 ft , cased to 260 ft.
DATUM.--Land-surface datum is about 600 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.68 ft below land-surface datum, May 23, 1974; lowest measured, 130.29 ft below land-surface datum, May 5, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 8	118.44	MAY 17	119.87	AUG 30	121.72

344110088151003. Local number G014. (USCE 35B)
LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi northeast of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sands of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 203 ft, cased to 198 ft.
DATUM.--Land-surface datum is about 600 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.22 ft below land-surface datum, Mar. 6, 1976; lowest measured, 102.54 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	101.81	FEB 8	101.54	MAY 17	100.73	AUG 30	100.86

344253088162802. Local number G015. (USCE 25A)
LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 235 ft, cased to 230 ft.
DATUM.--Land-surface datum is about 610 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.37 ft below land-surface datum, June 25, 1975; lowest measured, 126.28 ft below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	118.28	FEB 8	117.64	MAY 17	116.24	AUG 30	116.40

TISHOMINGO COUNTY--Continued

344253088162803. Local number G016. (USCE 25B)
LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 200 ft, cased to 190 ft.
DATUM.--Land-surface datum is about 610 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.87 ft below land-surface datum, July 13, 1973; lowest measured, 113.20 ft below land-surface datum, May 21, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	105.04	FEB 8	104.63	MAY 17	103.82	AUG 30	103.49

344302088153802. Local number G017. (USCE 26A)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 250 ft, cased to 210 ft.
DATUM.--Land-surface datum is about 565 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.60 ft below land-surface datum, Mar. 4, 1976; lowest measured, 59.68 ft below land-surface datum, Aug. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	55.00	FEB 8	54.51	MAY 17	53.53	AUG 30	54.21

344302088153803. Local number G018. (USCE 26B)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 127 ft, cased to 122 ft.
DATUM.--Land-surface datum is about 565 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.00 ft below land-surface datum, Mar. 12, 1980; lowest measured, 47.41 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	45.84	FEB 8	44.67	MAY 17	44.03	AUG 30	44.88

344302088153804. Local number G019. (USCE 26C)
LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 72 ft, cased to 67 ft.
DATUM.--Land-surface datum is about 565 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.21 ft below land-surface datum, Apr. 25, 1973; lowest measured, 45.76 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	44.21	FEB 8	43.03	MAY 17	42.36	AUG 30	43.37

344230088173401. Local number G020. (USCE 23C)

LOCATION.--Lat 34°43'30", long 88°17'34", Hydrologic Unit 03060101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 330 ft, cased to 230 ft.
DATUM.--Land-surface datum is about 588 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft above land-surface datum.
PERIOD OF RECORD.--September 1971 to Oct. 16, 1983 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.27 ft below land-surface datum, Apr. 25, 1973; lowest measured, 192.92 ft below land-surface datum, Aug. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL
OCT 16	170.82

344232088173201. Local number G027. (USCE 23I)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Rocks of Paleozoic age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 492 ft, cased to 452 ft.
DATUM.--Land-surface datum is about 587 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.
PERIOD OF RECORD.--April 1972 to Jan. 15, 1983 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.54 ft below land-surface datum, Apr. 25, 1973; lowest measured, 200.68 ft below land-surface datum, Jan. 15, 1983.

344232088173202. Local number G031. (USCE 23J)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 380 ft, cased to 360 ft.
DATUM.--Land-surface datum is about 587 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.2 ft above land-surface datum.
PERIOD OF RECORD.--December 1971 to Jan. 15, 1983 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.78 ft below land-surface datum, Apr. 25, 1973; lowest measured, 188.05 ft below land-surface datum, Jan. 15, 1983.

344234088153402. Local number G032. (USCE 23L)

LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 126 ft, cased to 86 ft.
DATUM.--Land-surface datum is about 563 ft National Geodetic Vertical Datum of 1929. Measuring point:- Top of casing, 1.0 ft above land-surface datum.
PERIOD OF RECORD.--December 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.16 ft below land-surface datum, May 31, 1973, lowest measured, dry, Nov. 7, 1980.

NOTE: Well reported dry since Nov. 7, 1980.

344231088173401. Local number G034. (USCE 23E)

LOCATION.--Lat 34°42'31", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 92 ft, cased to 87 ft.
DATUM.--Land-surface datum is about 585 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.3 ft above land-surface datum.
PERIOD OF RECORD.--September 1971 to Oct. 16, 1983 (discontinued).
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.84 ft below land-surface datum, June 9, 1976; lowest measured, 80.77 ft below land-surface datum, October 25, 1978.

TISHOMINGO COUNTY--Continued

344218088184301. Local number G038. (USCE 22A)
LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.4 S., R.9 E., 2 mi south of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 360 ft, cased to 320 ft.
DATUM.--Land-surface datum is about 625 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.6 ft above land-surface datum.
PERIOD OF RECORD.--February 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.12 ft below land-surface datum, Mar. 9, 1976; lowest measured, 191.89 ft below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	183.38	FEB 8	184.47	MAY 17	183.07	AUG 30	183.59

344218088184302. Local number G040. (USCE 22B)
LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, NW¼SW¼ sec.25, T.4 S., R.9 E., 2.0 mi south of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 240 ft, cased to 230 ft.
DATUM.--Land-surface datum is about 625 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.9 ft above land-surface datum.
PERIOD OF RECORD.--February 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.33 ft below land-surface datum, Mar. 9, 1976; lowest measured, 176.38 ft below land-surface datum, Aug. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	174.79	FEB 8	174.50	MAY 17	173.95	AUG 30	174.22

344228088173903. Local number G042. (USCE 23B)
LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi southeast of Holcut.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 60 ft, cased to 50 ft.
DATUM.--Land-surface datum is about 561 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.13 ft below land-surface datum, Dec. 4, 1975; lowest measured, dry, Feb. 15, 1981.

NOTE: Well reported dry since Feb. 15, 1981.

344041088164401. Local number J008. (USCE 33A)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi southwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 172 ft, cased to 162 ft.
DATUM.--Land-surface datum is about 515 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft below land-surface datum, May 23, 1974; lowest measured, 74.63 ft below land-surface datum, Aug. 3, 1977.

NOTE. No water level measurement made in Water Year 1984.

343936088161901. Local number J010.
LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., in Paden.
Owner: Irwin Schwabe Co.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 181 ft, cased to 165 ft.
DATUM.--Land-surface datum is about 420 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.69 ft above land-surface datum.
PERIOD OF RECORD.--July 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.2 ft above land-surface datum, Mar. 13, 1974; lowest measured, 3.37 ft below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	0.33	FEB 8	2.80	APR 24	4.32	MAY 17	5.05	AUG 30	4.42

TISHOMINGO COUNTY--Continued

344053088161202. Local number J013. (USCE 34A)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 266 ft, cased to 256 ft.
DATUM.--Land-surface datum is about 560 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft below land-surface datum, Mar. 13, 1974; lowest recorded, 117.63 ft below land-surface datum, Aug. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	105.31	105.01	103.19	102.45	102.17	102.66	102.26	101.35	100.84	100.88	101.04	101.37
10	105.32	104.88	103.13	102.41	102.93	102.76	102.20	101.26	100.84	100.93	101.08	101.37
15	105.21	104.81	102.89	102.50	102.79	102.67	102.08	101.13	100.85	100.97	101.09	101.37
20	105.14	103.97	102.92	102.48	102.77	102.45	102.04	101.06	100.86	100.95	101.19	101.37
25	105.09	103.79	102.96	102.23	102.73	102.47	101.80	100.95	100.86	100.99	101.27	101.39
EOM	105.15	103.65	102.86	102.29	102.76	102.51	101.66	100.84	100.86	100.99	101.37	101.39

WTR YR 1984 MEAN 102.33 HIGH 100.84 MAY 28 AND OTHERS LOW 105.33

344053088161203. Local number J014. (USCE 34B)
LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi north of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 134 ft, cased to 129 ft.
DATUM.--Land-surface datum is about 560 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.65 ft above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft below land-surface datum, May 23, 1974; lowest recorded, 77.81 ft below land-surface datum, Nov. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	73.85	74.07	74.12	73.81	74.03	73.82	73.82	73.62	73.21	73.09	73.27	74.13
10	73.85	74.03	74.15	74.00	73.84	73.98	73.81	73.58	73.22	73.17	73.29	74.04
15	73.97	74.22	74.30	74.08	73.95	73.92	73.80	73.54	73.16	73.23	73.36	74.24
20	73.90	74.29	74.07	74.13	73.96	73.71	73.86	73.26	73.15	73.23	73.35	74.14
25	74.07	74.37	74.30	73.89	73.98	73.83	73.85	73.29	73.16	73.24	73.47	74.26
EOM	74.06	74.39	74.26	74.11	74.16	74.11	73.77	73.27	73.10	73.21	74.05	74.35

WTR YR 1984 MEAN 73.78 HIGH 73.08 JUN 27 LOW 74.40 DEC 1

344041088164402. Local number J016. (USCE 33B)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 90 ft, cased to 85 ft.
DATUM.--Land-surface datum is about 515 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft above land-surface datum.
PERIOD OF RECORD.--August 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.93 ft below land-surface datum, May 23, 1974; lowest measured, 61.43 ft below land-surface datum, Aug. 22, 1982.

NOTE: No water level measurement made in Water Year 1984.

344041088164403. Local number J017. (USCE 33C)
LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 212 ft, cased to 192 ft.
DATUM.--Land-surface datum is about 515 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft above land-surface datum.
PERIOD OF RECORD.--September 1971 to current year.
EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 42.20 ft below land-surface datum, Apr. 9, 1974; lowest measured, 91.80 ft below land-surface datum, Nov. 6, 1980.

NOTE: No water level measurement made in water year 1984.

TISHOMINGO COUNTY--Continued

344017088180402. Local number J018. (USCE 31A)
LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 178 ft, cased to 158 ft.
DATUM.--Land-surface datum is about 473 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.2 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.85 ft below land-surface datum, May 23, 1974; lowest measured, 44.18 ft below land-surface datum, Jan. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	37.20	FEB 8	36.00	MAY 17	35.05	AUG 30	35.29

344017088180403. Local number J019. (USCE 31B)
LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 74 ft, cased to 64 ft.
DATUM.--Land-surface datum is about 473 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft below land-surface datum, May 20, 1975; lowest recorded, 13.33 ft below land-surface datum, Nov. 25, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.22	12.46	11.47	11.15	11.16	11.13	11.00	10.55	10.68	11.10	11.54	12.01
10	12.29	12.42	11.54	11.25	11.39	11.33	11.03	10.57	10.80	11.26	11.57	11.98
15	12.36	12.49	11.46	11.35	11.32	11.21	11.06	10.77	10.87	11.35	11.67	12.11
20	12.34	12.28	11.50	11.38	11.36	10.96	11.14	10.72	10.94	11.35	11.67	12.11
25	12.43	12.17	11.61	11.07	11.34	11.05	11.00	10.73	11.01	11.45	11.82	12.19
EOM	12.49	12.11	11.52	11.27	11.35	11.21	10.85	10.66	11.03	11.49	11.91	12.23

WTR YR 1984 MEAN 11.47 HIGH 10.46 MAY 3 AND OTHERS LOW 12.58

344041088172602. Local number J020. (USCE 32A)
LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 240 ft, cased to 230 ft.
DATUM.--Land-surface datum is about 530 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.3 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.90 ft below land-surface datum, June 9, 1976; lowest measured, 106.69 ft below land-surface datum, Oct. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	89.39	FEB 8	87.46	MAY 17	85.42	AUG 30	85.88

344041088172603. Local number J021. (USCE 32B)
LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi northwest of Paden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 112 ft, cased to 102 ft.
DATUM.--Land-surface datum is about 530 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.6 ft above land-surface datum.
PERIOD OF RECORD.--March 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.33 ft below land-surface datum, Apr. 26, 1973; lowest measured, 76.29 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	76.29	FEB 8	75.94	MAY 17	76.26	AUG 30	74.68

TISHOMINGO COUNTY--Continued

342854088194101. Local number L029. (USCE 54A)

LOCATION.--Lat 34°28'54", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 15.8 mi southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 27 ft, cased to 22 ft.
DATUM.--Land-surface datum is about 332 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.9 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft above land-surface datum, May 20, 1983; lowest recorded, 9.91 ft below land-surface datum, Nov. 20, 1981.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM; WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-7.45	-7.31	.64	-1.10	-2.46	-1.78	-1.36	.45	-3.88	-6.14	-7.29	-8.10
10	-7.53	-7.22	-0.07	-1.63	-2.69	-1.84	-2.18	.46	-4.39	-6.40	-7.40	-8.24
15	-7.51	-7.16	-0.28	-1.21	-1.58	-2.11	-2.80	-1.23	-4.86	-6.68	-7.53	-8.39
20	-7.49	-7.01	-1.24	-1.62	-2.15	-1.29	-3.20	-2.42	-5.26	-6.84	-7.67	-8.52
25	-7.42	-2.64	-0.45	-1.24	-2.49	-2.00	-2.49	-3.18	-5.57	-7.02	-7.80	-8.65
EOM	-7.36	-2.19	-0.36	-2.11	-1.40	-1.96	-0.14	-3.18	-5.87	-7.18	-7.95	-8.76

WTR YR 1984 MEAN -4.18 MAX 1.05 MAY 8 MIN -8.76 SEP 30

342844088184701. Local number L030. (USCE 55A)

LOCATION.--Lat 34°28'44", long 88°18'47", Hydrologic Unit 03160101, SE¼SE¼ sec.11, T.7 S., R.9 E., 7 mi west of Golden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 50 ft, cased to 45 ft.
DATUM.--Land-surface datum is about 380 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.3 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest year level measured, 20.08 ft below land-surface datum, Jan. 8-13, 1976; lowest recorded, 22.97 ft below land-surface datum, Sept. 26, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.53	22.13	21.19	21.21	21.26	20.96	20.88	20.78	21.49	22.09	22.18	22.70
10	22.58	22.00	21.35	21.28	21.19	21.11	20.99	20.74	21.71	22.19	22.14	22.70
15	22.43	21.91	21.29	21.29	21.01	21.05	21.09	21.14	21.89	22.29	22.19	22.83
20	22.31	22.04	21.37	21.30	21.10	20.75	21.18	21.18	21.97	22.19	22.25	22.84
25	22.23	21.85	21.40	21.06	21.14	20.92	21.10	21.26	21.97	22.32	22.43	22.94
EOM	22.26	21.77	21.38	21.27	21.05	21.08	21.01	21.20	22.02	22.25	22.47	22.97

WTR YR 1984 MEAN 21.68 HIGH 20.42 MAY 3 LOW 22.97 SEP 26

343150088183703. Local number L032. (USCE 45B)

LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi southwest of Tishomingo.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--McShan Sand member of Eutaw of Late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 76 ft, cased to 66 ft.
DATUM.--Land-surface datum is about 485 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.40 ft below land-surface datum, Jan. 25, 1979; lowest measured, 57.46 ft below land-surface datum, Nov. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 8	54.28	MAY 16	53.49	AUG 29	54.09

TISHOMINGO COUNTY--Continued

342854088194702. Local number L033. (USCE 54B)
LOCATION.--Lat 34°28'54", long 88°19'47", Hydrologic Unit 03160101, SW¼SE¼ sec.11, T.7 S., R.9 E., 15.8 mi southeast of Baldwyn.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 12 ft.
DATUM.--Land-surface datum is about 332 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.3 ft above land-surface datum.
PERIOD OF RECORD.--May 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.21 ft above land-surface datum, Mar. 9, 1983; lowest measured, 10.24 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	7.57	FEB 7	2.22	MAY 16	1.13	AUG 29	8.20

342854088194103. Local number L034. (USCE 54C)
LOCATION.--Lat 34°28'40", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 8.1 mi west of Golden.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 13 ft, cased to 8 ft.
DATUM.--Land-surface datum is about 333 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.
PERIOD OF RECORD.--June 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft below land-surface datum, Mar. 9, 1983; lowest measured, 10.75 ft below land-surface datum, Nov. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	7.79	FEB 7	2.82	MAY 16	1.82	AUG 29	8.35

Analyses of samples collected statewide are given in the following table. The analyses of samples from wells within a given county may be presented in separate sections of the table and the counties may not appear in alphabetical order due to tabling requirements necessitated by varying parameter lists. Analyses of samples collected at Tennessee-Tombigbee Study Area wells are found in the table "Quality of Ground Water in the Tennessee-Tombigbee Study Area, Mississippi."

AQUIFER NAMES OF GEOLOGIC UNIT CODES

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

110	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, QUATERNARY
110	SDGV	SAND AND GRAVEL, QUATERNARY
111	ALVM	HOLOCENE ALLUVIUM, HOLOCENE
111	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, HOLOCENE
112	MRVA	MISSISSIPPI RIVER ALLUVIAL AQUIFER, PLEISTOCENE
112	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, PLEISTOCENE
121	CRNL	CITRONELLE FORMATION, PLIOCENE
121	GRMF	GRAHAM FERRY FORMATION, PLIOCENE
122	PCGL	PASCAGOULA FORMATION, MIOCENE
122	HBRG	HATTIESBURG FORMATION, MIOCENE
122	MOCN	MIOCENE SERIES, MIOCENE
122	CTHL	LOWER CATAHOULA FORMATION, MIOCENE
123	CCKS	CHICKASAWHAY LIMESTONE, OLIGOCENE
123	VKBG	VICKSBURG GROUP, OLIGOCENE
123	WSBR	WAYNESBORO SAND, OLIGOCENE
123	FRHL	FOREST HILL SAND, OLIGOCENE
124	MDBC	MOODYS BRANCH FORMATION, EOCENE
124	CCKF	COCKFIELD FORMATION, EOCENE
124	SPRT	SPARTA SAND, EOCENE
124	MUWX	MERIDIAN-UPPER WILCOX AQUIFER, EOCENE
124	WLCXM	MIDDLE WILCOX AQUIFER, EOCENE
124	WLCXL	LOWER WILCOX AQUIFER, EOCENE
211	COFF	COFFEE SAND, UPPER CRETACEOUS
211	EUTW	EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWL	LOWER EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWR	EUTAW FORMATION (RESTRICTED), UPPER CRETACEOUS
211	MCSN	MCSHAN FORMATION, UPPER CRETACEOUS
211	GORD	GORDO FORMATION, UPPER CRETACEOUS
211	COKR	COKER FORMATION, UPPER CRETACEOUS
211	MSSV	MASSIVE SAND, UPPER CRETACEOUS
211	RPLY	RIPLEY FORMATION, UPPER CRETACEOUS
300	PLZC	PALEOZOIC ERATHEM, PALEOZOIC
331	TCMB	TUSCUMBIA LIMESTONE, UPPER MISSISSIPPIAN
337	FRPN	FORT PAYNE CHERT, LOWER MISSISSIPPIAN

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WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)
LINCOLN									
313334090305901	G144 PAUL M LEWIS	121CRNL	84-05-07	1250	27	8.00	45.60	100	481.00
313341090312501	G143 HAROLD CASE	121CRNL	84-05-07	1512	27	8.00	66.89	80.00	497.00
313347090312102	G068 AARON ACCORD	122MOCN	83-11-30	1235	28	8.00	132.80	308	492.00
313400090310801	G181 DONALD W BROADWATER	122MOCN	84-09-06	1120	27	8.00	52.75	150	480.00
313401090311501	G177 W F WILKINSON	122MOCN	84-09-05	1740	27	8.00	65.55	120	495.00
313414090303801	G132 JANE CASE	121CRNL	83-12-01	1255	33	15.00	28.17	34.00	462.00
313440090294201	G142 T BANKS	121CRNL	84-05-07	1030	28	8.00	30.13	40.00	463.00
313444090314601	G133 ROSY REED	121CRNL	83-11-30	1535	30	8.00	53.34	120	480.00
313452090315001	G104 EDGAR LEE SMITH	121CRNL	83-12-01	1005	30	8.00	--	65.00	482.00
313452090315601	G134 DANIAL BROGDEN	121CRNL	83-12-01	0945	28	8.00	--	50.00	462.00
313532090324501	G138 DALLAS ANDING	121CRNL	83-12-02	0930	27	8.00	74.89	85.00	490.00
313539090324401	G140 WINNIE SMITH	121CRNL	83-12-02	1120	27	8.00	--	80.00	485.00

STATION NUMBER	DATE OF SAMPLE	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE (GPM)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	SODIUM, DIS-SOLVED (MG/L AS NA)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
LINCOLN								
313334090305901	84-05-07	20	--	58	--	20.0	7.0	9.2
313341090312501	84-05-07	25	1.0	120	5.7	20.5	16	26
313347090312102	83-11-30	15	7.8	150	6.0	20.0	13	30
313400090310801	84-09-06	12	13	400	5.2	20.0	47	120
313401090311501	84-09-05	10	4.2	29	5.2	20.0	2.8	3.0
313414090303801	83-12-01	--	--	149	5.1	18.5	19	41
313440090294201	84-05-07	5	--	23	--	--	2.9	3.7
313444090314601	83-11-30	14	1.7	47	5.3	19.5	5.6	6.4
313452090315001	83-12-01	6	--	105	5.4	--	17	25
313452090315601	83-12-01	5	--	122	--	--	19	29
313532090324501	83-12-02	15	5.6	220	5.1	20.0	23	59
313539090324401	83-12-02	15	4.0	419	4.9	20.0	50	120

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)
			LINCOLN						
313058090314301	L027 PAUL PORTER	121CRNL	84-09-05	1035	1	8.00	57.20	80.00	485.00
313058090345001	K035 JOHN NEWELL	121CRNL	84-09-04	1240	27	8.00	45.74	80.00	462.00
313128090333701	F070 STEVE CASE	121CRNL	84-09-04	1330	27	8.00	--	120	480.00
313206090353901	F039 RUTH WATTS	121CRNL	84-09-04	1120	27	8.00	68.01	80.00	485.00
313218090292401	G175 STANLEY SMITH	121CRNL	84-09-05	0935	27	8.00	--	70.00	450.00
313258090343401	F038 JAUDON SMITH	121CRNL	84-09-04	1005	28	8.00	--	72.00	475.00
313344090312401	G056 U L DAY	121CRNL	84-05-07	1357	27	8.00	--	81.00	500.00
313347090312101	G065 AARON ACCORD	121CRNL	83-11-30	1150	1	8.00	--	187	492.00
313349090312101	G180 AARON ACCORD	122MOCN	84-09-06	1030	1	8.00	58.60	147	490.00
313356090312101	G182 JOHN JORDAN	122MOCN	84-09-05	1645	1	8.00	64.12	140	492.00
313357090310801	G176 A C LOFTON	121CRNL	84-09-05	1815	27	8.00	49.15	55.00	482.00
313357090312101	G179 JOHN JORDAN	121CRNL	84-09-06	1230	33	15.00	57.50	80.00	492.00
313407090315501	G118 EUGENE CASE	121CRNL	83-11-30	1345	30	8.00	--	69.00	474.00
313430090352401	F036 MRS J W WATTS	121CRNL	84-08-30	1355	28	8.00	--	100	460.00
313443090320001	G107 BILLY REED	121CRNL	83-11-30	1440	27	8.00	60.02	120	475.00
313500090315301	G135 W C LITTLE	122MOCN	83-12-01	1100	28	8.00	--	140	475.00
313504090344301	F041 PAUL B SMITH	121CRNL	84-09-05	1558	1	8.00	64.75	80.00	450.00
313522090322901	G136 NETTIE CASE	121CRNL	83-12-02	0830	30	8.00	--	60.00	468.00
313530090322301	G137 MAURICE LANNY CASE	121CRNL	83-12-01	1550	30	8.00	58.70	75.00	480.00
313534090322001	G127 FRANCIS M CASE	121CRNL	83-12-01	1500	30	8.00	--	70.00	430.00
313536090320401	G114 CHARLES CASE	121CRNL	83-12-01	1405	27	8.00	30.04	84.00	450.00
313536090322601	G139 CURTIS NATIONS	121CRNL	83-12-02	1015	30	8.00	--	93.00	495.00
313558090325501	G141 DYKES A BRITT	121CRNL	83-12-02	1210	27	8.00	52.63	70.00	463.00
313610090354201	F037 CHARLES SMITH	121CRNL	84-08-29	1015	27	8.00	--	55.00	460.00
313627090331101	F024 R H WILLIAMS	121CRNL	83-12-02	1300	30	8.00	--	87.00	440.00
313631090312001	G178 SAM C SMITH	121CRNL	84-09-05	1257	27	8.00	33.50	60.00	468.00
313733090322001	C045 CLARENCE ALLEN	121CRNL	84-09-05	1428	27	8.00	--	28.00	430.00
313736090350801	B043 DONALD DURR	121CRNL	84-08-30	1215	28	8.00	77.65	110	480.00
313743090363801	B042 KENT CALCOTE	121CRNL	84-08-30	1115	27	8.00	--	40.00	480.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

LINCOLN

STATION NUMBER	DATE OF SAMPLE	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)
313058090314301	84-09-05	12	4.4	84	5.1	19.5	6	0	1.4	.55	14
313058090345001	84-09-04	15	3.4	175	5.3	20.0	17	0	4.1	1.5	28
313128090333701	84-09-04	10	5.2	48	5.3	20.0	7	0	1.6	.66	6.7
313206090353901	84-09-04	10	2.0	27	5.1	22.0	4	0	.87	.50	3.1
313218090292401	84-09-05	11	8.0	86	4.9	19.5	10	4	2.0	1.1	12
313258090343401	84-09-04	15	5.2	32	5.3	20.0	4	0	.83	.51	4.3
313344090312401	84-05-07	25	2.8	1080	4.9	21.0	150	150	38	14	130
313347090312101	83-11-30	15	9.1	2900	4.7	20.0	330	320	97	20	460
313349090312101	84-09-06	14	4.1	265	5.0	19.5	54	47	13	5.1	25
313356090312101	84-09-05	7	4.4	32	5.3	20.0	6	0	1.5	.63	3.3
313357090310801	84-09-05	15	2.3	58	4.9	21.0	9	4	1.7	1.1	6.4
313357090312101	84-09-06	--	--	2570	10.3	19.0	490	480	170	15	330
313407090315501	83-11-30	22	3.6	420	5.2	19.5	41	30	10	3.8	57
313430090352401	84-08-30	15	3.5	40	5.2	21.5	5	0	1.0	.57	4.6
313443090320001	83-11-30	20	7.1	2200	5.0	19.5	420	400	92	45	280
313500090315301	83-12-01	10	5.7	43	5.6	19.5	8	0	2.1	.75	5.4
313504090344301	84-09-05	10	3.9	48	5.2	20.5	11	4	2.5	1.1	3.5
313522090322901	83-12-02	11	2.6	305	4.9	18.5	49	39	11	5.2	33
313530090322301	83-12-01	19	6.0	325	5.0	19.5	40	30	9.7	3.9	41
313534090322001	83-12-01	10	1.0	462	5.0	20.0	47	37	11	4.7	60
313536090320401	83-12-01	15	5.7	715	5.1	19.5	64	54	15	6.4	99
313536090322601	83-12-02	15	8.7	535	4.9	20.0	95	87	22	9.8	52
313558090325501	83-12-02	16	5.7	134	4.9	19.5	22	13	4.6	2.5	15
313610090354201	84-08-29	10	2.2	25	5.4	21.5	4	0	.87	.47	2.7
313627090331101	83-12-02	13	6.2	36	5.3	19.5	6	0	1.5	.49	4.1
313631090312001	84-09-05	12	4.4	33	5.0	20.0	5	0	.67	.68	4.0
313733090322001	84-09-05	6	3.0	80	5.3	21.5	22	13	3.5	3.3	4.7
313736090350801	84-08-30	16	5.7	38	5.4	20.0	6	0	1.3	.58	4.4
313743090363801	84-08-30	20	2.8	58	5.4	20.0	7	0	1.6	.64	8.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	BROMIDE DIS- SOLVED (MG/L AS BR)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)
LINCOLN											
313058090314301	84-09-05	81	3	1.0	11	.6	19	.120	66	--	<.010
313058090345001	84-09-04	77	3	1.7	20	6.7	29	.190	123	--	<.010
313128090333701	84-09-04	67	1	.40	11	<.2	6.5	.060	42	--	<.010
313206090353901	84-09-04	58	.7	.50	8.0	<.2	3.5	.020	28	--	<.010
313218090292401	84-09-05	72	2	.50	6.0	<.2	21	.170	56	--	<.010
313258090343401	84-09-04	67	.9	.40	7.0	<.2	5.0	.030	34	--	<.010
313344090312401	84-05-07	65	5	1.8	4.0	5.1	330	2.1	690	--	--
313347090312101	83-11-30	75	12	5.9	6.0	.3	940	6.8	1690	--	--
313349090312101	84-09-06	50	2	1.6	7.0	.2	75	.500	180	--	<.010
313356090312101	84-09-05	49	.6	.80	10	.5	3.2	.030	34	--	<.010
313357090310801	84-09-05	60	1	.50	5.0	.6	11	.050	44	--	--
313357090312101	84-09-06	59	7	7.0	10	4.0	830	6.6	1370	.800	.020
313407090315501	83-11-30	75	4	.70	11	.8	120	.770	236	--	--
313430090352401	84-08-30	64	.9	.60	7.0	<.2	6.4	.020	38	--	<.010
313443090320001	83-11-30	59	6	8.0	13	3.9	730	4.6	1380	--	--
313500090315301	83-12-01	55	.8	1.1	17	1.0	5.1	.070	40	--	--
313504090344301	84-09-05	39	.5	1.0	7.0	.3	5.3	.020	48	--	<.010
313522090322901	83-12-02	58	2	1.9	10	.4	84	.420	171	--	--
313530090322301	83-12-01	68	3	1.4	10	.4	93	.380	180	--	--
313534090322001	83-12-01	73	4	1.8	10	12	130	.560	260	--	--
313536090320401	83-12-01	76	6	2.9	10	1.7	210	.900	395	--	--
313536090322601	83-12-02	53	2	2.8	9.0	.4	160	.440	305	--	--
313558090325501	83-12-02	58	1	1.2	9.0	<.2	36	.140	86	--	--
313610090354201	84-08-29	55	.6	.50	7.0	<.2	3.4	.020	30	--	<.010
313627090331101	83-12-02	56	.8	.90	11	1.0	6.0	.070	35	--	--
313631090312001	84-09-05	62	.8	.70	7.0	<.2	5.1	.030	27	--	<.010
313733090322001	84-09-05	30	.4	1.4	9.0	8.6	7.9	.020	64	--	<.010
313736090350801	84-08-30	60	.8	.60	8.0	.4	5.4	.040	38	--	<.010
313743090363801	84-08-30	72	1	.20	8.0	<.2	9.4	.050	52	--	<.010

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	BARIUM, DIS-SOLVED (UG/L AS BA)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)
		LINCOLN		
313058090314301	84-09-05	<.100	40	14
313058090345001	84-09-04	4.90	81	38
313128090333701	84-09-04	.790	31	12
313206090353901	84-09-04	.180	23	9
313218090292401	84-09-05	.470	43	17
313258090343401	84-09-04	.290	20	6
313344090312401	84-05-07	--	550	670
313347090312101	83-11-30	--	--	2600
313349090312101	84-09-06	.330	300	91
313356090312101	84-09-05	.190	49	13
313357090310801	84-09-05	--	30	11
313357090312101	84-09-06	.820	600	1900
313407090315501	83-11-30	--	--	150
313430090352401	84-08-30	.630	29	8
313443090320001	83-11-30	--	--	890
313500090315301	83-12-01	--	--	17
313504090344301	84-09-05	1.80	50	20
313522090322901	83-12-02	--	--	66
313530090322301	83-12-01	--	--	50
313534090322001	83-12-01	--	--	64
313536090320401	83-12-01	--	--	95
313536090322601	83-12-02	--	--	130
313558090325501	83-12-02	--	--	33
313610090354201	84-08-29	<.100	24	9
313627090331101	83-12-02	--	--	10
313631090312001	84-09-05	.210	35	10
313733090322001	84-09-05	2.40	91	53
313736090350801	84-08-30	.410	31	16
313743090363801	84-08-30	1.50	32	8

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)
ADAMS									
313326091151201	E029 ADAMS CO W A	122CTHL	84-05-24	1200	31	8.00	343.30	1220	418.00
313340091232001	C073 NATCHEZ 3B	122CTHL	83-10-20	1600	31	8.00	225.46	652	220.00
313343091232001	C071 NATCHEZ 1B	122CTHL	83-10-18	1330	31	8.00	238.13	655	240.00
ATTALA									
325949089461201	Q045 SALLIS	124MLCXM	84-09-17	1600	1	8.00	88.61	1000	370.00
CLAIBORNE									
320739090444501	D023 CITES SERVICE	124CCKF	84-07-09	1600	31	8.00	--	1230	163.00
GREENE									
310845088331301	P020 B F BASILA	122MOCN	84-01-30	1230	5	4.00	--	541	102.00
310927088330802	P045 LEAKESVILLE	122MOCN	84-01-30	1330	31	8.00	-2.00	820	114.00
HANCOCK									
301458089370101	L038 G BOELTE	122MOCN	84-09-13	1045	5	4.00	-69.30	1940	9.00
301458089370102	L039 G BOELTE	121GRMF	84-09-13	1030	1	4.00	-2.10	540	9.00
301458089370103	L040 G BOELTE	121GRMF	84-09-13	1100	1	4.00	-3.00	450	9.00
HARRISON									
302403089082201	L454 McGILL DRLG	122MOCN	83-10-03	1900	1	4.00	--	2400	20.00
302428088555001	M681 USAF GOLF COURSE	110TRCS	84-01-26	0930	31	8.00	21.97	60	23.00
JACKSON									
302736088260601	Q430 MS HWY DEPT	122PCGL	83-10-26	0900	31	8.00	--	577	12.00
302820088242501	Q431 MS HWY DEPT	122PCGL	83-10-26	0930	31	8.00	--	403	12.00
JASPER									
315159089000901	U031 GULF OIL	124CCKF	83-10-14	0800	31	26.00	160.00	630	340.00
315219088595201	U032 GULF OIL	124SPRT	83-11-02	1100	1	26.00	--	804	300.00
LEE									
341554088462401	G093 TUPELO	300PLZC	84-08-17	1100	5	10.00	--	1000	350.00
			84-08-17	1500	5	10.00	--	1500	350.00
			84-08-17	2000	5	10.00	--	1600	350.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
					ADAMS						
313326091151201	84-05-24	180	73	520	7.8	23.5	20	2	0	.51	.20
313340091232001	83-10-20	1440	750	580	6.7	22.0	1	190	0	50	16
313343091232001	83-10-18	1440	750	574	6.8	22.0	2	160	0	41	14
					ATTALA						
325949089461201	84-09-17	440	548	298	7.9	25.0	<1	60	0	21	1.9
					CLAIBORNE						
320739090444501	84-07-09	1440	70	1990	8.2	30.0	350	6	--	1.2	.68
					GREENE						
310845088331301	84-01-30	--	20	158	7.3	22.5	140	15	0	3.0	1.8
310927088330802	84-01-30	180	190	263	--	25.0	120	3	0	.52	.30
					HANCOCK						
301458089370101	84-09-13	1440	100	530	9.1	35.0	10	4	0	1.4	.11
301458089370102	84-09-13	60	20	590	8.7	23.5	30	3	0	1.0	.15
301458089370103	84-09-13	60	20	575	8.6	23.0	20	4	0	1.2	.15
					HARRISON						
302403089082201	83-10-03	1000	100	1050	8.8	35.0	5	11	0	3.6	.50
302428088555001	84-01-26	180	70	190	7.2	21.5	22	67	0	21	3.6
					JACKSON						
302736088260601	83-10-26	30	20	1520	8.5	23.0	90	7	0	2.2	.42
302820088242501	83-10-26	30	20	1450	8.6	22.5	110	12	0	3.4	.85
					JASPER						
315159089000901	83-10-14	216000	15	100000	8.8	27.0	1	9100	9100	2600	640
315219088595201	83-11-02	2880	20	790	8.5	25.5	160	4	0	.94	.32
					LEE						
341554088462401	84-08-17	60	30	2330	--	--	--	78	--	21	6.2
	84-08-17	60	100	20900	--	--	--	2000	--	400	250
	84-08-17	60	100	19900	--	--	--	1900	--	370	230

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
					ADAMS						
313326091151201	84-05-24	130	99	40	1.7	280	1.8	8.8	.10	49	389
313340091232001	83-10-20	48	34	2	6.7	271	14	6.4	.20	44	360
313343091232001	83-10-18	60	44	2	5.5	284	15	6.0	.20	44	357
					ATTALA						
325949089461201	84-09-17	43	60	3	2.2	145	15	2.4	<.10	17	199
					CLAIBORNE						
320739090444501	84-07-09	460	99	85	2.2	--	17	93	3.9	14	1310
					GREENE						
310845088331301	84-01-30	25	73	3	3.9	68	9.1	5.2	.10	20	121
310927088330802	84-01-30	61	96	17	2.3	102	13	27	<.10	11	191
					HANCOCK						
301458089370101	84-09-13	120	98	28	.70	235	6.9	30	.40	19	321
301458089370102	84-09-13	130	99	33	.60	241	3.5	40	.40	22	348
301458089370103	84-09-13	130	98	29	.60	239	3.2	41	.50	22	330
					HARRISON						
302403089082201	83-10-03	250	98	34	1.5	244	2.1	210	.40	20	624
302428088555001	84-01-26	11	26	.6	1.7	85	6.5	7.3	<.10	19	126
					JACKSON						
302736088260601	83-10-26	340	99	57	1.4	438	8.3	220	1.4	16	862
302820088242501	83-10-26	330	98	43	1.8	451	9.2	200	1.6	17	832
					JASPER						
315159089000901	83-10-14	21000	83	99	130	81	120	38000	<.10	16	62600
315219088595201	83-11-02	190	98	45	2.1	431	14	5.9	.90	16	497
					LEE						
341554088462401	84-08-17	440	--	22	--	--	22	630	--	--	--
	84-08-17	4000	--	40	--	--	8.1	7900	--	--	--
	84-08-17	3800	--	39	--	--	15	8200	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
ADAMS				
313326091151201	84-05-24	360	230	15
313340091232001	83-10-20	350	620	290
313343091232001	83-10-18	360	820	230
ATTALA				
325949089461201	84-09-17	190	220	180
CLAIBORNE				
320739090444501	84-07-09	--	170	3
GREENE				
310845088331301	84-01-30	110	2900	78
310927088330802	84-01-30	180	90	4
HANCOCK				
301458089370101	84-09-13	320	<3	4
301458089370102	84-09-13	340	60	10
301458089370103	84-09-13	330	5	5
HARRISON				
302403089082201	83-10-03	630	24	20
302428088555001	84-01-26	120	1200	210
JACKSON				
302736088260601	83-10-26	850	88	7
302820088242501	83-10-26	830	95	15
JASPER				
315159089000901	83-10-14	63000	4900	2400
315219088595201	83-11-02	490	53	2
LEE				
341554088462401	84-08-17	--	--	--
	84-08-17	--	--	--
	84-08-17	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)
RANKIN									
321615090084901	K178 HERNDON WELL DRLG	110SDGY	84-04-30	1400	31	8.00	11.20	35	270.00
321944090001702	G046 CASTLEWOODS	124SPRT	84-07-02	1230	1	8.00	231.25	1180	395.00
322249089582101	G043 PEARL R WTR DIST	124SPRT	83-10-25	1500	31	8.00	162.90	1190	320.00
WASHINGTON									
330413090584201	S096 U S FISH & WILDLIFE	124SPRT	84-07-17	1430	30	.11	--	849	107.00
WAYNE									
312757088290101	Z069 STATE LINE	123WSBR	83-10-03	1230	1	8.00	100.00	672	245.00
YAZOO									
324740090153202	M039 CENTRAL YAZOO W A	124MUWX	84-06-08	1030	5	8.00	115.30	2120	335.00

STATION NUMBER	DATE OF SAMPLE	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN)	FLOW RATE (GPM)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
RANKIN											
321615090084901	84-04-30	2880	10	315	6.0	18.5	7	83	49	24	5.6
321944090001702	84-07-02	480	812	345	8.7	30.5	15	5	0	1.8	.09
322249089582101	83-10-25	360	900	295	7.5	29.0	7	3	0	.85	.22
WASHINGTON											
330413090584201	84-07-17	45	30	825	8.1	23.5	50	2	0	.47	.22
WAYNE											
312757088290101	83-10-03	1400	75	360	8.7	23.0	2	13	0	3.1	1.3
YAZOO											
324740090153202	84-06-08	1440	164	855	8.3	36.0	30	4	0	1.3	.22

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
RANKIN											
321615090084901	84-04-30	23	37	1	1.6	34	11	58	<.10	18	228
321944090001702	84-07-02	79	97	16	.70	179	6.5	3.0	.20	10	236
322249089582101	83-10-25	71	97	18	1.8	151	7.8	2.6	.10	42	214
WASHINGTON											
330413090584201	84-07-17	210	99	65	.80	437	1.6	14	.70	18	483
WAYNE											
312757088290101	83-10-03	83	91	10	2.9	187	1.0	11	.90	14	230
YAZOO											
324740090153202	84-06-08	210	99	47	1.1	473	.9	5.5	.50	15	536

STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
RANKIN				
321615090084901	84-04-30	160	15	4
321944090001702	84-07-02	220	150	7
322249089582101	83-10-25	220	81	2
WASHINGTON				
330413090584201	84-07-17	510	49	6
WAYNE				
312757088290101	83-10-03	230	140	4
YAZOO				
324740090153202	84-06-08	520	120	6

Analyses of samples collected at Tennessee-Tombigbee Study Area wells are given in the following table. This table includes analyses of samples collected from wells located in disposal areas consisting of excavated material from the Divide Cut Section of the Tennessee-Tombigbee Waterway. The analyses of samples from wells within a given county may be presented in separate sections of the table and the counties may not appear in alphabetical order due to tabling requirements necessitated by varying parameter lists. Analyses of samples collected at other than Tennessee-Tombigbee Study Area wells are found in the table "Quality of Ground Water."

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)
			ITAWAMBA						
341232088225301	L019 USCE 74B(BENSON)	112TRCS	84-05-22	1200	26	10.00	4.92	16.00	270.00
341232088225302	L014 USCE 74A	211GORD	84-05-22	1350	26	10.00	17.96	150	270.00
341610088264801	G065 USCE 67A	211GORD	84-05-22	0830	26	10.00	14.23	179	270.00
341610088264802	G066 USCE 67B	211EUTW	84-05-22	0918	26	10.00	14.84	71.00	270.00
			LOWNDES						
332935088282001	F073 USCE TTM2A	211EUTW	84-06-26	1600	26	10.00	24.19	162	160.00
332935088282002	F074 USCE TTM2B	111ALVM	84-06-25	1700	26	10.00	10.79	19.00	160.00
			MONROE						
334910088311501	L073 USCE TTM4A	211EUTW	84-05-25	1030	26	10.00	26.96	177	200.00
334910088311502	L074 USCE TTM4B	111ALVM	84-05-25	1130	26	10.00	9.39	26.00	200.00
335445088312501	H017 USCE TTM5A	211EUTW	84-05-24	1840	26	10.00	6.57	90.00	200.00
335445088312502	H018 USCE TTM5B	111ALVM	84-05-25	0930	26	10.00	5.89	26.00	200.00
340054088281801	C059 USCE 95A	211GORD	84-05-22	1745	33	15.00	10.72	166	220.00
340056088283001	C066 USCE 94A	111ALVM	84-05-22	1625	33	15.00	-0.30	20.00	217.00
			PRENTISS						
342917088212701	M020 USCE 51A	211GORD	84-06-27	1725	26	10.00	31.67	64.00	356.00
343948088332801	F043 BOONEVILLE	211EUTW	84-06-26	1820	26	10.00	--	495	500.00
344251088323001	B034 THRASHER W A	211EUTW	84-06-27	1235	26	10.00	--	514	520.00
			TISHOMINGO						
342854088194102	L033 USCE 54B	111ALVM	84-05-23	1100	26	10.00	1.13	12.00	332.00
344017088180402	J018 USCE 31A	211GORD	84-05-24	1034	26	10.00	35.05	178	473.00
344017088180403	J019 USCE 31B	211EUTWR	84-05-24	1145	26	10.00	10.83	74.00	473.00
344053088161203	J014 USCE 34B	211EUTWR	84-05-23	1321	26	10.00	73.57	134	560.00
344218088184302	G040 USCE 22B	211EUTWR	84-06-28	1115	26	10.00	173.95	240	625.00
344253088162802	G015 USCE 25A	211GORD	84-05-23	1530	26	10.00	116.24	235	610.00
344638088200103	D041 USCE 12B	211EUTWR	84-06-28	0945	26	10.00	60.91	150	485.00
344638088200104	D042 USCE 12C	211EUTWR	84-06-28	0845	26	10.00	55.08	88.00	485.00
344834088111601	F001 H M BIGGS	211GORD	84-06-26	1525	26	10.00	37.98	113	545.00
344849088120401	E006 IUKA	337FRPN	84-06-26	1400	26	10.00	--	360	570.00
345033088192201	D052 BURNSVILLE	300PLZC	84-06-26	1700	26	10.00	--	280	520.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN)	FLOW RATE (GPM)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CACO3)
ITAWAMBA											
341232088225301	84-05-22	30	10	71	6.7	15.5	40	20	0	--	--
341232088225302	84-05-22	30	10	67	6.6	17.5	90	25	0	--	--
341610088264801	84-05-22	30	10	135	6.9	17.5	10	48	0	--	--
341610088264802	84-05-22	20	10	67	6.8	17.0	5	24	2	--	--
LOWNDES											
332935088282001	84-06-26	30	10	570	7.8	19.0	5	31	--	--	--
332935088282002	84-06-25	30	10	75	6.8	24.0	10	12	0	--	--
MONROE											
334910088311501	84-05-25	20	10	221	6.4	19.5	10	76	0	--	--
334910088311502	84-05-25	20	10	70	5.1	18.0	85	14	7	--	--
335445088312501	84-05-24	20	10	120	8.2	18.5	10	46	0	--	--
335445088312502	84-05-25	20	10	139	6.8	16.0	3	43	41	--	--
340054088281801	84-05-22	--	--	95	5.6	18.0	5	35	0	--	--
340056088283001	84-05-22	--	--	145	5.8	16.5	150	26	1	--	--
PRENTISS											
342917088212701	84-06-27	25	10	78	6.4	17.0	5	25	0	--	--
343948088332801	84-06-26	30	--	310	6.8	18.5	<1	120	0	.2	9.9
344251088323001	84-06-27	30	--	280	7.7	18.5	1	120	2	.1	5.0
TISHOMINGO											
342854088194102	84-05-23	15	10	36	6.8	16.0	10	7	0	--	--
344017088180402	84-05-24	30	10	119	8.7	18.0	5	7	0	--	--
344017088180403	84-05-24	30	10	60	7.2	17.0	5	14	0	--	--
344053088161203	84-05-23	30	10	30	5.8	16.0	5	8	0	<.1	--
344218088184302	84-06-28	45	10	90	5.8	17.0	5	30	4	.2	9.9
344253088162802	84-05-23	30	10	74	5.3	17.0	5	11	0	<.1	--
344638088200103	84-06-28	45	10	152	6.4	17.0	5	49	11	.2	9.9
344638088200104	84-06-28	30	10	125	6.3	17.5	1	38	0	.2	9.9
344834088111601	84-06-26	45	10	89	6.6	16.5	5	18	0	.2	9.9
344849088120401	84-06-26	30	10	26	5.6	17.0	1	7	0	--	--
345033088192201	84-06-26	--	--	82	5.2	17.5	1	21	0	.3	15

QUALITY OF GROUND WATER IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
ITAWAMBA											
341232088225301	84-05-22	6.9	.62	3.3	24	.3	2.3	21	3.3	2.1	<.10
341232088225302	84-05-22	7.3	1.6	1.8	13	.2	2.0	25	3.3	1.7	.20
341610088264801	84-05-22	15	2.5	4.6	16	.3	2.8	51	8.0	<.10	.20
341610088264802	84-05-22	7.6	1.1	1.6	12	.1	1.6	22	<.2	1.7	<.10
LOWNDES											
332935088282001	84-06-26	8.9	2.1	100	85	8	5.3	--	1.4	48	.60
332935088282002	84-06-25	3.5	.76	8.8	59	1	1.3	21	7.3	3.9	.10
MONROE											
334910088311501	84-05-25	24	3.9	7.7	17	.4	3.1	85	2.6	5.1	.20
334910088311502	84-05-25	3.6	1.3	5.9	45	.7	1.0	7.0	3.5	3.3	.40
335445088312501	84-05-24	14	2.6	1.8	8	.1	1.9	45	5.2	1.0	<.10
335445088312502	84-05-25	7.0	6.2	2.1	9	.1	1.6	2.0	2.2	4.6	<.10
340054088281801	84-05-22	9.6	2.6	2.4	12	.2	4.0	34	5.2	1.6	.10
340056088283001	84-05-22	6.8	2.3	6.3	32	.6	1.9	25	6.1	7.1	.20
PRENTISS											
342917088212701	84-06-27	6.4	2.2	1.9	13	.2	1.3	27	2.8	2.0	.10
343948088332801	84-06-26	39	6.7	8.3	12	.3	3.8	126	15	10	.10
344251088323001	84-06-27	37	5.6	6.7	11	.3	3.5	114	12	9.1	<.10
TISHOMINGO											
342854088194102	84-05-23	2.0	.49	2.0	33	.3	1.3	7.0	4.5	2.9	<.10
344017088180402	84-05-24	2.6	.16	18	77	3	3.4	38	13	1.5	.20
344017088180403	84-05-24	3.3	1.3	2.5	26	.3	1.7	13	6.7	1.3	<.10
344053088161203	84-05-23	1.7	.85	1.6	27	.3	1.4	8.0	3.7	1.2	<.10
344218088184302	84-06-28	9.4	1.5	3.4	19	.3	1.7	26	14	1.4	<.10
344253088162802	84-05-23	3.0	.92	3.0	33	.4	1.7	15	4.3	1.7	<.10
344638088200103	84-06-28	15	2.7	3.9	14	.3	3.1	38	21	2.0	.20
344638088200104	84-06-28	11	2.5	6.8	26	.5	2.7	48	5.4	2.4	.30
344834088111601	84-06-26	5.1	1.2	1.3	13	.1	1.4	17	5.3	1.4	.10
344849088120401	84-06-26	1.7	.71	1.2	25	.2	.50	10	1.0	1.3	<.10
345033088192201	84-06-26	5.7	1.6	2.1	17	.2	1.4	20	6.0	1.7	.20

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-.SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
ITAWAMBA									
341232088225301	84-05-22	12	60	46	1.30	1800	67	120	51
341232088225302	84-05-22	8.5	62	54	<.100	27000	12000	390	340
341610088264801	84-05-22	8.7	84	73	<.100	1600	26	130	18
341610088264802	84-05-22	12	98	99	1.00	78000	58000	390	420
LOWNDES									
332935088282001	84-06-26	8.0	--	--	1.00	3000	11	80	25
332935088282002	84-06-25	9.8	74	48	.320	2600	15	50	16
MONROE									
334910088311501	84-05-25	30	148	130	<.100	17000	63	660	320
334910088311502	84-05-25	21	75	59	3.10	31000	420	410	140
335445088312501	84-05-24	21	87	76	<.100	7600	390	890	650
335445088312502	84-05-25	7.3	93	85	12.0	280	26	40	38
340054088281801	84-05-22	13	83	70	<.100	31000	11000	820	290
340056088283001	84-05-22	17	78	76	<.100	31000	13000	820	640
PRENTISS									
342917088212701	84-06-27	8.6	66	55	<.100	13000	13000	630	640
343948088332801	84-06-26	11	214	170	<.100	340	300	160	160
344251088323001	84-06-27	15	163	160	<.100	320	110	100	93
TISHOMINGO									
342854088194102	84-05-23	8.7	34	26	<.100	3100	85	430	170
344017088180402	84-05-24	20	81	82	<.100	250	30	20	2
344017088180403	84-05-24	27	60	54	<.100	2700	2400	53	53
344053088161203	84-05-23	19	42	34	<.100	130	29	10	6
344218088184302	84-06-28	29	91	77	<.100	1100	1200	150	170
344253088162802	84-05-23	34	66	71	<.100	13000	13000	450	450
344638088200103	84-06-28	38	131	130	<.100	17000	17000	720	720
344638088200104	84-06-28	29	96	90	<.100	1600	990	350	360
344834088111601	84-06-26	8.3	39	45	<.100	10000	9600	920	930
344849088120401	84-06-26	8.4	34	21	.110	120	27	10	3
345033088192201	84-06-26	9.2	78	57	<.100	16000	16000	980	970

QUALITY OF GROUND WATER IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	STATION NAME	DATE OF SAMPLE	TIME	SAMPLE SOURCE	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)
343855088155380	J071 USCE 1704-A DISPOSAL AREA WELL	83-11-17	0945	1004	25.22	32.00
		84-02-01	1145	1004	23.69	32.00
		84-05-15	1005	1004	21.41	32.00
		84-08-01	0945	1004	21.26	32.00
343855088155381	J072 USCE 1704-B DISPOSAL AREA WELL	83-11-17	0950	1004	17.07	21.00
		84-02-01	1120	1004	11.58	21.00
		84-05-15	1010	1004	8.72	21.00
		84-08-01	0950	1004	12.30	21.00
344047088171981	J070 USCE 1507-B DISPOSAL AREA WELL	83-11-17	1120	1004	13.38	19.00
		84-02-01	1245	1004	14.42	19.00
		84-05-15	1115	1004	11.68	19.00
		84-08-01	1130	1004	8.80	19.00
345428088161980	B032 USCE 602A-A DISPOSAL AREA WELL	83-11-17	1240	1004	27.75	34.30
		84-02-01	1415	1004	25.82	34.30
		84-05-15	1225	1004	24.37	34.30
		84-08-01	1250	1004	25.98	34.30

STATION NUMBER	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
343855088155380	83-11-17	890	4.3	18.0	1	460	--	.2	9.9	100	52
	84-02-01	929	5.0	17.5	10	450	430	1.1	55	97	50
	84-05-15	871	4.4	17.0	5	340	--	1.4	70	77	36
	84-08-01	742	4.5	19.0	<1	280	--	3.4	169	65	29
343855088155381	83-11-17	1040	4.9	18.5	1	470	--	.4	20	130	36
	84-02-01	1030	5.2	14.0	55	410	380	1.7	84	110	33
	84-05-15	952	5.1	15.5	10	360	--	.5	25	100	26
	84-08-01	1040	5.0	17.5	25	440	--	3.6	179	120	33
344047088171981	83-11-17	725	5.0	19.0	2	240	190	.1	5.0	53	25
	84-02-01	783	4.8	16.5	50	260	210	3.3	164	58	29
	84-05-15	678	4.6	16.0	5	250	230	.2	9.9	57	26
	84-08-01	490	4.9	20.0	1	190	150	1.5	74	45	20
345428088161980	83-11-17	406	5.5	17.5	3	25	0	.2	9.9	4.4	3.3
	84-02-01	655	5.5	17.5	200	58	0	2.1	104	12	6.9
	84-05-15	514	5.4	17.0	8	38	0	1.7	84	8.2	4.2
	84-08-01	383	5.4	17.0	2	25	0	1.6	79	4.9	3.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

STATION NUMBER	DATE OF SAMPLE	SODIUM, DIS-SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)
43855088155380	83-11-17	10	4	.2	4.9	--	520	2.7	.50	27	795
	84-02-01	11	5	.2	5.4	19	470	3.8	<.10	25	762
	84-05-15	13	8	.3	3.3	<1.0	410	.60	.20	16	787
	84-08-01	12	8	.3	3.0	<1.0	360	7.3	<.10	14	639
43855088155381	83-11-17	6.7	3	.1	9.7	<1.0	570	2.7	.20	17	874
	84-02-01	7.5	4	.2	8.3	27	500	1.5	<.10	18	790
	84-05-15	7.5	4	.2	8.0	<1.0	420	.60	<.10	18	785
	84-08-01	7.0	3	.2	9.2	<1.0	560	6.0	<.10	18	935
44047088171981	83-11-17	8.2	7	.2	7.3	45	220	3.8	<.10	13	394
	84-02-01	10	7	.3	7.0	55	300	4.3	<.10	12	508
	84-05-15	10	8	.3	7.3	19	250	.90	<.10	13	542
	84-08-01	7.8	8	.3	7.2	45	180	4.6	<.10	13	371
45428088161980	83-11-17	3.1	21	.3	1.1	37	2.2	3.9	<.10	7.1	58
	84-02-01	3.4	11	.2	1.9	140	9.7	4.8	<.10	6.9	146
	84-05-15	5.3	22	.4	1.9	66	3.7	3.9	<.10	8.3	279
	84-08-01	3.2	21	.3	1.2	42	1.7	3.6	<.10	7.6	214

STATION NUMBER	DATE OF SAMPLE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
343855088155380	83-11-17	--	.270	3300	2500	14000	14000
	84-02-01	690	.130	2600	2600	15000	14000
	84-05-15	--	<.100	32000	32000	26000	11000
	84-08-01	--	<.100	39000	38000	8600	8500
343855088155381	83-11-17	--	.220	130000	40000	7000	6300
	84-02-01	750	.130	60000	52000	5400	5400
	84-05-15	--	<.100	61000	61000	4200	4200
	84-08-01	--	<.100	75000	70000	6100	6100
344047088171981	83-11-17	430	<.100	79000	73000	3000	2800
	84-02-01	530	<.100	73000	73000	3100	3100
	84-05-15	410	<.100	33000	31000	3400	3100
	84-08-01	320	<.100	18000	14000	2400	2400
345428088161980	83-11-17	150	<.100	110000	100000	4900	4800
	84-02-01	210	<.100	170000	64000	16000	16000
	84-05-15	200	<.100	130000	120000	9700	9500
	84-08-01	150	<.100	110000	99000	4800	4700

QUALITY OF PRECIPITATION

Stations to collect precipitation-quality data are operated to provide concerned agencies vital information pertaining to variations in precipitation chemistry in selected areas of Mississippi. The types of data obtained may be used for precipitation quality assessments of state and national interest. Samples are collected weekly on Tuesday and the analytical data are the result of a composite precipitation analysis. An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with an automatic precipitation sensitive sensor which activates the motor to operate the sample vessel cover. The sample vessel remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected for analysis. The 3.4-gal sample collecting vessel has a 11.3-in. diameter opening. A standard 8.0-in. universal recording rain gage (weighing type) is used to obtain on-site precipitation records.

PRECIPITATION QUALITY STATION AT NSTL, MS

LOCATION.--Lat 30 21 55 , long 89 37 45 , in NW SW NW sec.8, T.8 S., R.16 W., St. Stephens Meridian, Hancock County Hydrologic Unit 03180004, at the U.S. Geological Survey Hydrologic Instrumentation Facility located at NSTL.

PERIOD OF RECORD.--Water years 1983 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since October 1983.

REMARKS.--Sample preparation and field measurements by local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PRECIPITATION INCHES	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)
OCT			
01-04	.00	--	--
04-11	.14	41	4.1
11-18	1.9	7	4.8
18-25	.24	19	4.5
25-			
NOV			
-01	.00	--	--
01-08	.28	20	4.4
08-15	.38	12	4.9
15-22	.85	20	4.6
22-29	1.8	9	5.1
29-			
DEC			
-06	1.0	12	4.8
06-13	1.1	14	4.6
13-20	.34	16	4.6
20-28	4.5	11	4.9
28-			
JAN			
-03	.72	15	4.7
03-10	.92	15	4.7
10-17	.59	49	3.9
17-24	1.4	24	4.4
24-31	.90	11	4.6
31-			
FEB			
-07	1.1	17	4.4
07-14	1.0	6	5.0
14-21	1.2	13	4.6
21-28	1.8	14	4.8
28-			
MAR			
-06	1.6	15	4.5
06-13	.61	11	4.7
13-20	1.6	9	4.7
20-27	.15	32	4.6
27-			
APR			
-03	.92	36	4.3
03-10	.80	28	6.1
10-17	.00	--	--
17-24	.07	46	4.7
24-			
MAY			
-01	.13	44	6.1
01-08	.45	18	4.6
08-15	.00	--	--
15-22	2.6	11	4.9
22-29	.45	22	4.3
29-			
JUN			
-05	.00	--	--
05-12	.00	--	--
12-19	1.3	40	4.0
19-26	1.7	27	4.1
26-			
JUL			
-03	4.7	26	4.1
03-10	3.1	15	4.2
10-17	.51	41	3.9
17-24	2.3	30	3.9
24-31	.10	60	3.9
31-			
AUG			
-07	3.8	9	4.7
07-14	1.5	19	4.3
14-21	.15	15	4.9
21-28	1.6	18	4.4
28-			
SEP			
-04	.36	41	4.1
04-11	.11	22	4.2
11-18	.70	71	3.7
18-25	.91	17	4.0
25-30	.00	--	--

PRECIPITATION QUALITY STATION AT NSTL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	NITRO-GEN NITRATE DISSOLV (UG/L)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)
OCT										
04-11	.82	.25	.94	.22	4.1	1.9	<.01	420	.406	.068
11-18	.07	.03	.04	.01	.6	<.20	<.01	80.0	.089	.003
18-25	.20	.11	.61	.17	1.2	1.2	<.01	230	.319	.008
NOV										
01-08	.21	.07	.40	.03	1.3	.74	<.01	380	.197	.017
08-15	.30	.07	.44	.36	1.4	.80	<.01	170	.293	.005
15-22	.15	.15	1.3	.09	1.4	2.7	<.01	150	.112	.006
22-29	.23	.08	.75	.34	.9	1.0	<.01	70.0	.064	.015
29-										
DEC										
-06	.11	.07	.60	.16	1.3	.95	<.01	<10.0	.304	.007
06-13	.14	.06	.39	.07	1.1	.69	<.01	150	.187	.006
13-20	.29	.10	.67	.14	1.2	1.1	<.01	210	.155	.006
20-28	.14	.09	.82	.09	.7	1.8	<.01	340	.135	.028
28-										
JAN										
-03	.64	.04	.27	.09	2.2	.64	<.01	550	.200	.024
03-10	.20	.08	.62	.07	1.0	1.2	<.01	140	.147	.012
10-17	.16	.05	.25	.06	4.1	.52	.03	450	.393	.032
17-24	.09	.09	.84	.10	1.2	1.5	<.01	130	.120	.011
24-31	.16	.04	.09	.08	.9	<.20	<.01	100	.284	.020
31-										
FEB										
-07	.18	.04	.29	.03	1.1	.53	<.01	250	.103	.013
07-14	.12	.04	.25	.14	.5	.49	<.01	150	.010	<.001
14-21	.07	.04	.29	.11	1.2	.35	<.01	190	.028	<.001
21-28	.17	.11	1.0	.07	1.0	2.0	.02	110	.072	.002
28-										
MAR										
-06	.23	.06	.20	.04	1.7	.39	<.01	160	.211	<.001
06-13	.24	.06	.29	.05	.7	.54	<.01	210	.305	<.001
13-20	.15	.04	.30	.03	.7	.38	<.01	130	.089	<.001
20-27	.96	.22	--	.18	4.4	2.3	.03	640	.603	.002
27-										
APR										
-03	.51	.15	1.1	.11	3.7	1.6	<.01	330	.461	.008
03-10	2.3	.18	1.3	.19	2.9	2.1	.04	260	.590	.002
24-										
MAY										
-01	--	--	1.3	.49	6.0	2.3	<.01	1090	2.3	.012
01-08	.26	.09	.37	.06	1.2	.67	<.01	230	.374	.002
15-22	.12	.04	.27	.02	.7	.54	<.01	130	.235	.003
22-29	.37	.10	.50	.06	1.1	1.4	<.01	330	.130	.003
JUN										
12-19	.12	.04	.25	.05	2.9	.60	.02	540	.213	<.001
19-26	.21	.03	.07	.04	1.6	<.20	<.01	270	.190	.001
26-										
JUL										
-03	.14	.03	.05	.02	2.2	.18	<.01	400	--	.014
03-10	.17	.03	.11	.01	1.4	.24	<.01	310	.248	<.001
10-17	.33	.07	.23	.03	2.5	.66	<.01	790	.260	.003
17-24	.21	<.01	.09	.02	2.5	.23	.04	350	.167	<.001
24-31	--	--	--	--	--	--	--	--	.088	<.001
31-										
AUG										
-07	.12	.03	--	.01	.6	.49	<.01	170	.036	<.001
07-14	.10	.02	.06	.06	1.5	.18	<.01	250	--	.005
14-21	.13	.04	.12	.10	--	--	--	--	.766	.003
21-28	.11	.03	.06	--	--	--	--	--	.227	<.001
28-										
SEP										
-04	.28	.05	.15	--	3.2	.53	<.01	710	.430	.005
04-11	.48	.10	.25	.08	--	--	--	--	.280	.003
11-18	.24	.04	.13	.03	6.1	.42	<.01	680	.370	.061
18-25	.12	.17	1.4	--	.9	2.3	<.01	<10.0	.051	.003

PRECIPITATION QUALITY STATION NEAR JANICE, MS

LOCATION.--Lat 31 01 52 , long 88 59 09 , in NW NW SE sec.22, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, at the U.S. Forest Service Erambert Seed Orchard, on State Highway 29, 3.4 mi east of Janice.

PERIOD OF RECORD.--Water years 1982 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since February 1982.

REMARKS.--Sample preparation and field measurements by local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	PRECIPITATION INCHES	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)
OCT			
01-04	.00	--	--
04-11	.30	24	5.5
11-18	.67	12	5.7
18-25	.68	14	5.7
25-			
NOV			
-01	.00	--	--
01-08	.30	13	5.7
08-15	.67	13	5.8
15-22	2.9	11	6.2
22-29	3.3	13	4.9
29-			
DEC			
-06	2.6	13	4.8
06-13	1.2	10	5.4
13-20	.63	12	4.8
20-27	1.4	22	4.5
27-			
JAN			
-03	3.3	16	4.7
03-10	1.0	8	4.9
10-17	.58	42	4.1
17-24	1.4	12	4.8
24-31	.85	9	4.8
31-			
FEB			
-07	1.4	19	4.6
07-14	1.2	18	4.7
14-21	.75	11	4.7
21-28	3.2	13	3.8
28-			
MAR			
-06	1.6	16	4.9
06-13	.20	21	4.5
13-20	1.8	6	4.9
20-27	.92	11	4.9
27-			
APR			
-03	1.4	28	4.4
03-10	2.5	12	6.3
10-17	.02	--	--
17-24	.13	20	5.0
24-			
MAY			
-01	.28	24	6.0
01-08	.37	18	4.9
08-15	.00	--	--
15-22	3.8	12	4.7
22-29	.52	15	4.6
29-			
JUN			
-05	.00	--	--
05-12	.00	--	--
12-19	1.1	24	4.3
19-26	2.4	12	4.6
26-			
JUL			
-03	.08	49	4.0
03-10	.85	14	4.6
10-17	1.4	19	4.4
17-24	.55	34	4.2
24-31	.50	24	4.3
31-			
AUG			
-07	2.1	11	4.7
07-14	.52	27	4.3
14-21	.45	19	4.4
21-28	2.0	33	4.2
28-			
SEP			
-04	.36	30	4.3
04-11	.35	12	4.7
11-18	.10	49	4.0
18-25	.10	26	4.6
25-30	.00	--	--

PRECIPITATION QUALITY STATION NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	NITRO- GEN NITRATE DISSOLV (UG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
04-11	.13	.05	.17	.03	2.4	.22	<.01	210	.159	.007
11-18	.06	.02	.06	.01	1.0	<.20	<.01	140	.158	.007
18-25	.07	.04	.88	.02	1.2	.73	<.01	120	.251	.011
NOV										
01-08	.10	.04	.21	.02	1.0	.39	<.01	240	.049	.006
08-15	.18	.03	.45	.05	1.3	.77	<.01	140	.158	.007
15-22	.11	.04	.97	.35	.9	1.3	<.01	70.0	.032	.006
22-29	.17	.10	.74	.07	1.2	1.4	<.01	110	.080	.007
29-										
DEC										
-06	.08	.05	.29	.26	1.1	.48	<.01	<10.0	.143	.048
06-13	.11	.05	.33	1.1	.7	.54	<.01	130	.107	.007
13-20	.10	.05	.29	.33	.9	.53	.02	140	.099	.006
20-27	.13	.07	.50	--	1.3	.73	<.01	160	.113	.006
27-										
JAN										
-03	.17	.08	.57	.04	1.5	1.0	<.01	60.0	.113	.021
03-10	.09	.04	.19	.96	.6	.44	<.01	200	.163	.020
10-17	.25	.18	.09	.03	3.5	.22	<.01	440	.299	.011
17-24	.11	.06	.16	.10	1.3	.36	.01	140	.262	.047
24-31	.08	.03	.08	.28	.8	<.02	<.01	90.0	.079	.018
31-										
FEB										
-07	.18	.04	.19	.03	1.2	.38	<.01	230	.146	.014
07-14	.13	.10	1.1	.13	1.1	2.0	<.01	330	.044	.019
14-21	.03	.03	.15	.02	1.0	.21	<.01	160	.018	<.001
21-28	.15	.06	.41	.04	1.0	.79	<.01	140	.086	.002
28-										
MAR										
-06	.29	.10	.21	.38	2.1	.39	<.01	140	.764	.209
13-20	.16	.05	.16	.03	.4	<.20	<.01	50.0	.041	.008
20-27	.27	.08	.50	.05	1.1	.83	<.01	150	.061	.006
27-										
APR										
-03	.51	.09	.42	.07	3.0	.63	<.01	250	.449	.018
03-10	.85	.11	.57	.07	2.1	.98	.03	160	.213	.006
17-24	.63	.15	.91	.13	2.4	1.3	<.01	290	.602	.046
24-										
MAY										
-01	.99	.16	1.0	.29	3.9	1.8	<.01	700	1.40	.034
01-08	.37	.12	.64	.10	1.8	1.1	<.01	310	.551	.011
15-22	.17	.05	.24	.02	1.1	.42	<.01	120	.177	.012
22-29	.18	.05	.22	.03	1.3	.31	<.01	270	.192	.016
JUN										
12-19	.12	.04	.25	.07	2.5	.31	.05	340	.268	.025
19-26	.17	.04	.11	.03	1.0	<.20	<.01	210	.197	.016
26-										
JUL										
-03	.77	.20	--	--	5.3	.64	.12	1090	.200	.140
03-10	.10	.02	.13	.01	1.1	<.20	.04	270	.207	<.001
10-17	.12	.03	.11	.02	1.0	<.20	.03	210	.075	.011
17-24	.24	<.01	.09	.02	2.8	.24	<.01	350	.117	.018
24-31	--	--	--	.02	1.8	.25	<.01	280	.097	.029
31-										
AUG										
-07	.10	.02	--	.03	.8	.28	<.01	180	<.001	.014
07-14	.17	.04	.15	.03	2.1	.29	<.01	400	--	.077
14-21	--	.02	.12	.04	--	--	--	--	.121	.015
21-28	.11	.03	.09	--	--	--	--	--	.316	.021
28-										
SEP										
-04	.26	.05	.17	--	2.0	.88	<.01	530	.227	.032
04-11	.17	.03	.06	.02	1.2	<.20	<.01	180	.191	.007
11-18	.72	.25	1.1	.08	4.2	1.3	<.01	820	.363	.715
18-25	.49	.26	.06	--	2.6	2.6	<.01	300	.307	.078

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons